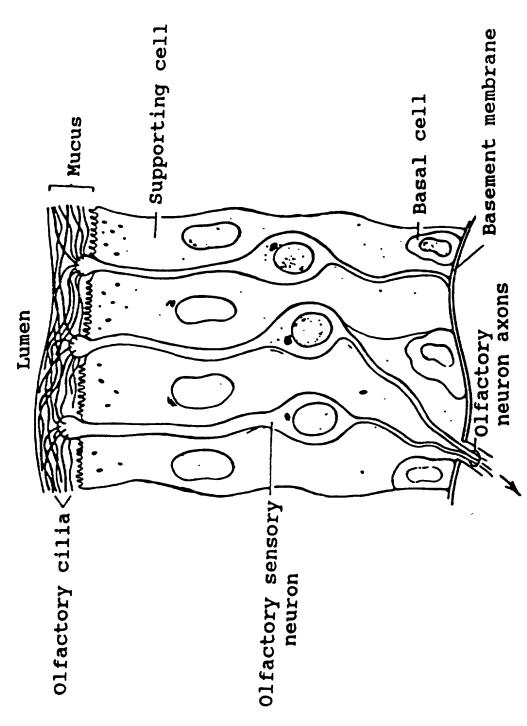
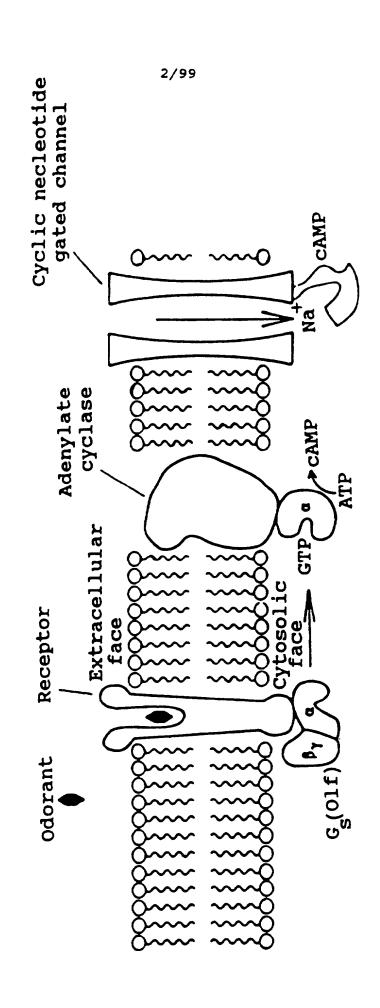
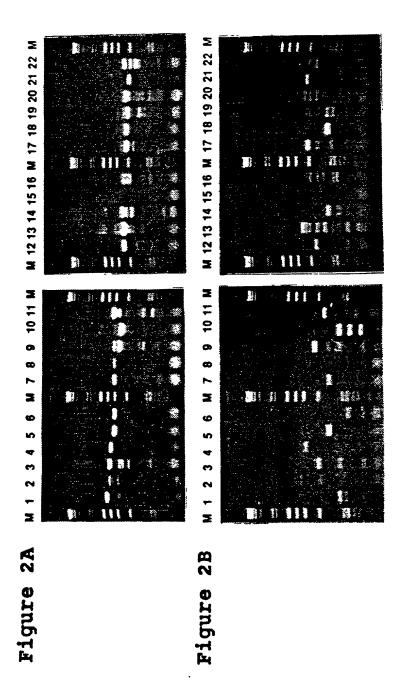
Figure 1A



To olfactory bulb

Figure 1B





4/99 Figure 3

OLFACTORY SPLEEN BRAIN

5.0 2.0



5/99 Figure 4A

F3				H	D	S	S	N	R	T	R	V	S	E	11
F5				H	S	S	T	N	Q	S	S	V	T	E	11
F6	H	A	W	S	T	G	Q	N	L	S	T	P	G	P	14
F12			H	E	S	G	N	S	T	R	R	F	S	S	12
I3				H	N	-	_	N	Q	T	F	I	T	Q	9
I7			H	E	R	R	N	H	S	G	R	V	S	E	12
I8				H	N	-	-	N	K	T	V	I	T	H	9
I9				H	T	R	R	N	Q	T	A	I	S	Q	11
I14				H	T	G	N	N	Q	T	L	I	L	E	11
I15				H	T	E	E	N	Q	T	V	I	S	Q	11
F3	F	-		ŗ									Q	P	25
F5	F	L	L	L	G	L	S	R	Q	P	Q	Q	$\overline{\mathbf{Q}}$	Q	25
F5 F6	F	L	L	L	G	L F	S P	R G	Q P	P R	Q S	Q M	Q R	Q I	25 28
F5 F6 F12	F F	LIF	r r	r r	GGG	L F F	S P T	R G E	Q P N	P R P	Q S Q	Q M L	Q R H	Q I F	25 28 26
F5 F6 F12 I3	FFFF	LIFL	LLLL	LLLL	6666	L F F L	S P T P	R G E I	Q P N P	P R P E	Q S Q E	Q M L H	Q R H Q	Q I F H	25 28 26 23
F5 F6 F12 I3	FFFF	L F L V	LLLL	LLLLL	9999	L F F L F	SPTPP	R G E I A	Q P N P P	P R P E A	Q S Q E P	Q M L H L	Q R H Q R	Q F H V	25 28 26 23 26
F5 F6 F12 I3 I7	FFFFFF	LIFLVL	LLLLL	LLLLL	99999	L F F L F L	SPTPP	R G E I A I	QPNPPP	P R P E A P	QS QEPE	Q M L H L	Q R H Q R Q	Q I F H V Q	25 28 26 23 26 23
F5 F6 F12 I3 I7 I8	FFFFFFF	LIFLVLF	LLLLLL	LLLLLLL	999999	LFFLFL	SPTPPP	R G E I A I F	QPNPPP	P R P E A P	QSQEPEE	Q M L H L H Y	QRHQRQQ	Q I F H V Q H	25 28 26 23 26 23 25
F5 F6 F12 I3 I7	FFFFFF	LIFLVLFL	LLLLLLLL	LLLLL	00000000	LFFLFLLL	SPTPPPP	R G E I A I F I	Q	P R P E A P	QS QEPE	Q M L H L	Q R H Q R Q	Q I F H V Q	25 28 26 23 26 23

6/99
Figure 4B

	I	Y	G	T.	E	7	_	3.0	32	-	T T	-	77	20
			•	-	₹.	L	S	74	I	L	V	T	V	39
-	L					L								39
G														4:
L														4
													I	3.
													L	4
L	F	F	À	L	F	L	I	N	Y	L	T	T	F	3
														3
												I	I	2
											T	T	V	3
	LLLL	LIFLF	LIFY LFY LFF LFY	LIFA LFYA LFFA LFYA LFYA	LIFAL LFYAL LFFAL LFYAL LFYAL	LIFALF LFYALF LFFALF LFYALF LFYALF	LIFALFL LFYALFL LFFALFL LFYALFL LFYALFL	LIFALFLS LFYALFLV LLFFLSLL LFFALFLI LFYALFLA LFYALFLA	LIFALFLSN LFYALFLVN LFFALFLIN LFYALFLAN LFYALFLAN	LIFALFLSNY LFYALFLVNY LFFALFLINY LFYALFLANY LFYALFLANY	LIFALFLSNYL LFYALFLVNYL LFFALFLINYL LFYALFLANYL LFYALFLANYL	LIFALFLSNYLV LFYALFLVNYLT LFFLSLLXYVL LFFALFLINYLT LFYALFLANYLT LFYALFLANYLT	LIFALFLSNYLVT LFYALFLVNYLTT LFFALFLINYLTT LFYALFLANYLTT LFYALFLANYLTT	L L F F L S L L X Y V L V L L F F A L F L I N Y L T T F L F Y A L F L A N Y L T T L L F Y A L F L A N Y L T I I

	I			_											
F3	Ī	G	N	I	S	I	I	V	A	I	I	S	D	P	53
F5							I								53
F6							Ī								56
_							Ī								54
F12															51
I3							I								
I7	\mathbf{T}	E	N	M	L	I	I	I	A	I	\mathbf{R}	N	H	P	54
I8	L	G	N	L	L	I	V	V	L	V	Q	L	D	S	51
I9							I								53
							Ī								53
I14															
I15	L	G	N	L	I	I	I	I	L	I	H	L	D	S	53

7/99 **Figure 4C**

				1	I										
F3	C	: 1	i	Ī	P	H	Y	F	F	· L	S	N	L	S	67
F5	F	1	E	r	• P	N	Y	F	F	L	S	N	L	S	67
F6	C	: 1	ב כ	I	, b	H	Y	F	F	L	C	N	L	S	70
F12	H	I	B	T	P	H	Y	F	F	L	A	N	L	S	68
I3	Q	I	H	T	P	N	Y	L	F	L	S	N	L	S	65
I7	T	L	H	K	P	H	Y	F	F	L	A	N	M	S	68
I8	H	I	H	T	P	H	Y	L	F	L	S	H	L	S	65
19	H				P			L	F	L	S	N	L	S	67
I14			H				Y		F		S			S	67
I15	H	L	H	T	P	M	Y	L	F	L	ຸຣ	N	L	S	67
F3	<u>I</u>	I V	D		С	F	I	s	T	T	v		¥	M	81
F5	F	v		v	Č	F	Ŝ	S	Ť	Ī	v	P	X	V	81
F6	F	Ĺ		Ĭ	W	F	T	T	À	Ĉ	v	P	ĸ	T	84
F12	F	V	D	I	C	F	T	S	T	T	I	P	K	M	82
I3	F	S	D	L	C	F	S	S	V	T	M	P	K	L	79
I7	F	L	E	I	W	Y	V	T	V	T	I	P	K	M	82
I8	F	S	D	L	C	F	S	S	V	T	M	L	K	L	79
I9	F	A	D	L	C	F	S	S	V	T	M	P	K	L	67
I14	F	S	D	L	C	F	S	S	V	T	M	P	K	L	67
I15	F	S	D	L	C	F	S	S	V	T	M	P	K	L	67

8/99
Figure 4D

	_														
F3	I	, -	-	-	_	· V	N	I	Q	${f T}$	Q	N	N	V	91
F5	L	. –		_	-	· A	N	H	I	L	G	S	Q	Α	91
F6	L	. –	_	_	_	A							_		94
F12	Ī		_	_	-		_		Y						
			_	_							Q	S	K	_	92
I3	L			_	_	-					Q	K	T	S	89
I7	L		G	F	I	G	S	K	E	N	H	G	Q	L	96
18	L	_	_	•	_	Q	N	I	Q	S	Q	V	P	S	89
I9	L	_	_	-	_	Q	N	M	Q	S	Q	V	P	S	91
I14	L		_	_	_	-		M	_						91
I15	L Q N M Q S Q V P S L Q N M Q S Q V P S		_												
113	L Q N M Q S Q V P S		91												
									I.	ΙΙ					
F3	I	T	Y	A	G	C	I	T	Q	I	Y	F	F	L	105
F5	I	S	F	S	G	C	L	T	Q	L	Y	F	L	A	105
F6	I	S	L	A	G			T	$\bar{\mathbf{Q}}$	M	Ÿ	F	v	F	108
F12	Ī	T	Y	E	D		I		Q			v	F	Ĺ	106
I3	Ī	P	Ŷ		G				-					_	
				G					Q	T	Y	F	F	M	103
I7	Ī	S	F	E				T	Q		Y	F	F	L	110
18	I	S	Y	A	G	C	L		Q	I	F	F	F	L	103
I9	I	P	Y	A	G	C	L	A	Q	I	Y	F	F	L	105
I14	I	S	Y	\mathbf{T}	G	C	L	T	Q	L	Y	F	F	M	105
I15	I	P	F	A	G	C		T	õ			_	Ÿ	L	105

9/99 **Figure 4E**

	,	· -	-												
F3		I		7 E	L	D	N	F	L	L	T	I	Ж	A	119
F5	v		_												119
F6	S	_	_			E	Y	F	L	L	A	V	H	λ	122
F12	v	_	À	I	L	G	N	F	L	L	A	V	H	λ	120
13	V	F	_		M	E	S	F	L	L	V	A	H	λ	117
I7	G	I	G	C	T	E	C	V	L	L	A	V	H	λ	124
I8	L	F	G	Y	L	G	N	F	L	L	V	A	H	A	117
I9	F	F	G	D	L	G	N	F	L	L	V	A	H	A	119
I14	V	F	G	D	M	E	S	F	L	L	V	V	H	λ	119
I15	Y	F	A	D	L	E	S	F	L	L	V	A	N	y	119
	I	ΙΙ													
F3		D	R	Y	V	λ	I	C	H	P	M	H	Y	T	133
F5	Y	D	R	F	V	λ	I	C	H	P	L	H	¥	T	133
F6	Y	D	R	Y	L	λ	I	C	L	P	L	R	Y	G	136
F12	Y	D	R	Y	V	A	X	C	H	P	L	C	Y	T	134
I 3	Y	D	R	Y	V	λ	I	C	F	P	L	H	Y	T	131
I 7	Y	D	R	Y	V	A	I	C	H	P	L	H	Y	P	138
I8	Y	D	R	Y	V	λ	I	C	F	P	L	H	Y	T	131
I9	Y	D	R	Y	-	λ	I	C	F	P	L	H	Y	M	133
I14	Y	D	R	Y	•	λ	I	C	F	P	L	R	Y	T	133
T15	Y	D	R	Y	V	A	I	C	\mathbf{F}	P	L	H	Y	M	133

10/99 **Figure 4F**

						I	7								
F3	V	I	H	N	Y	K	L	C	G	F	L	V	L	V	147
F5	${f T}$	K	H	T	R	Q	L	C	V	L	L	V	V	G	147
F6	G	I	H	T	P	G	L	A	M	R	L	A	L	G	150
F12	V	I	V	N	H	R	L	C	I	L	L	L	L	L	148
I3	S	I	H	S	P	K	L	C	T	C	L	V	L	L	145
17 17	v	Ī	V	S	S			C		0	M	A	A	G	152
I8	N	Ī	H	S	H	K		C	T		L	L	L	V	145
19	S	Ī	N	S	P	K	L	Č	v		L	V	V	L	147
I14	T	Ī	H	S	T	K			À			V		L	147
I15	Š	_	H		_			Č						L	147
110	3	•	••		•	• `	_		•			•	•	_	
	I	J													
F3		W	I	V	S	V	L	H	λ	L	F	Q	S	L	161
F5	S	W	v		A	N	M	N		L	L	H	I	L	161
F6	S	W	L	C	G	F	S	A	I	T	V	P	A	T	164
F12	S	W	v	Ī	S	I	F	H	λ	F	I	Q	S	L	162
13	L	W	M	L	T	T	S	H	λ	M	M	H	T	L	159
17 17	S	W	A	G	G	F	G	I	S	M	V	K	V	F	166
I8	F	W	I	M	T	s	S	H	À	M	M	H	T	L	159
	S	W	v	L	T	T	F	H	Ä	M	L	H	Ť	L	161
I9		W	M	L	T	M	T	H	λ		L	H	T	L	161
I14 T15	L S	W	M V	L	T	T	F	H	Α	M	L	H	T	L	161
1 1 5		-	v	1 1	1	1	F	11	•	171	-	44		-	T O T

11/99 **Figure 4G**

F3	M	M	L	A	L	P	F	C	T	H	L	E	I	P	175
F5	L	M	A	R	K	S	F	C	A	D	N	M	I	P	175
F6	L	I	A	R	L	S	F	C	G	S	R	V	I	N	178
F12	I	V	L	Q	L	T	F	C	G	D	V	K	I	P	176
I3	L	A	λ	R	L	S	F	C	E	N	N	V	V	L	173
I7	L	I	S	R	L	S	Y	C	G	P	N	T	I	N	180
18	L	A	λ	R	L	S	F	C	E	N	N	V	L	L	173
19	L	M	y	R	L	S	F	C	E	D	S	V	I	P	175
I14	L	I	A	R	L	S	F	C	E	K	N	V	I	L	175
I15	L	M	λ	R	L	S	F	C	A	D	N	M	I	P	175
												_			
F3	H	Y	F	C	E	P	N	Q	V	I	Q	L	T	C	189
F5	H	F	F	C	D	G	T	P	L	L	K	L	S	C	189
F6	H	F	F	C	D	I	S	P	W			L	S	C	192
F12	H	F	F	C	E	L	N	_	L					C	190
I3	N	F	F	C	D	L	F	V		L			A	C	187
I7	H	F	F	C	D	V	S	P			N		S	C	194
18	N	F	F	C		L	F		L					C	187
I9	H	Y	F	C	D	M	S		L					C	189
I14	H	F	F	C	D	I	S		L				S	C	189
I15	H	F	F	C	D	I	S	P	L	L	K	L	S	C	189

12/99 Figure 4H

								V	'						
F3	S		A	F	L	N	D		V	I	Y	F	T	L	203
F5	S	D	T	H	L	N	E	L	M	I	L	T	E	G	203
F6	T	_	_	Q	V	V	E	L	V	S	F	G	I	A	206
F12	S		N	F	P	S	H	L	I	M	N	L	V	P	204
I3	S	_	_	Y	I	N	E	L	M	I	F	I	M	S	201
I7	${f T}$				T	A	E	L	T	D	F	V	L	A	208
I8	S	D	_	Y	V	N	E	L	M	I	H	I	M	G	201
I9	S	_		H	D	N	E	L	A	I	F	I	L	G	203
I14	S	D	_	Y	V	N	E	L	M	I	Y	I	L	G	203
I15	S	D	T	H	V	И	E	L	V	I	F	V	M	G	203
	<u>v</u>														
F3	V	L	L	A	${f T}$	V	P	L	A	G	I	F	Y	S	217
F5	A	V	V	M	V	T	P	F	V	C	I	L	I	S	217
F6	F	C	V	I	L	G	S	C	G	I	T	L	V	S	220
F12	V	M	L	A	A	I	S	F	S	G	I	L	Y	S	218
I3	T	\mathbf{L}	L	I	I	I	P	F	F	L	I	V	M	S	215
I7	I	F	I	L	L	G	P	L	S	V	T	G	Α	S	222
I8	V	I	I	I	V	I	P	F	V	L	I	V	I	S	215
19	G	P	I	V	V	L	P	F	L	L	I	I	V	S	203
I14	G	L	I	I	I	I	P	F	L	L	I	V	M	S	203
I15	G	L	V	I	V	I	P	F	V	L	I	I	V	S	203

13/99
Figure 4I

F3 F5 F6 F12 I3 I7 I8 I9 I14 I15	YIHITCAVLRVSSP YAYIITTIIKIPSA YFKIVSSIHSISTV YARIISSILKVPST YMAITGAVMRIPSA YAKIISSILKVPST YARIVSSIFKVPSS YVRIFFSILKFPSI	231 234 232 229 236 229 231 231
F3 F5 F6 F12 I3 I7 I8 I9 I14 I15	RGGWKSFSTCGSHL RGRHRAFSTCSSHL	245 245 248 246 243 250 243 245 245

14/99 Figure 4J

	V	<u>ZI</u>													
F3	S	V	V	S	I	, F	Y Y	C	T	G	L	G	V	Y	259
F5	A			, C	L	F	, A	G	T	, A	I	A	V	Y	
F6	T	V	V	L	, I	W	Y	G	S	T	I	F	L	H	262
F12	S	I	V	S	L	F	, A	S	T	G	L	G	V	Y	260
I3	S	V	V	S	L	F	A	G	T	I	I	G	L	Y	257
I7	T		V	I	I	F	X	A	A	S	I	F	I	Y	264
18	S							G	T	I	I	G	L	Y	257
I9	S					_		G	T	V	I	G	L	Y	259
I14	S					_			T	I	F	G	I	Y	259
I15	S	V	V	S	L	F	Y	G	T	I	I	G	L	Y	259
	<u>V</u> :	_											<u>v</u> :	ΙΙ	
F3		S	S	A	A	N	N	S	S	Q	A	S	A	T	273
F5	F	N	P	S	S	S	H	L	A	G	R	D	M	A	273
F6	V	R	T	S	V	E	S	S	L	D	L	T	K	A	276
F12	V	S	S	A	V	V	Q	S	S	H	S	A	A	S	274
I3	L	C	P	A	G	N	N	S	T	V	K	E	M	V	271
I7	A	R	P	K	A	L	S	A	F	D	T	N	K	L	278
18	L	C	Þ	S	G	D	N	F	S	L	K	G	S	A	271
I9	ŗ	C	P	S	A	N	N	S	T	V	K	E	T	V	273
I14	ŗ	C	P	S	G	N	N	S	\mathbf{T}	V	K	E	I	A	273
I15	L	C	P	S	A	N	N	S	\mathbf{T}	V	K	E	T	V	273

15/99 Figure 4K

	V.	ΙI													
F3	Ā		V	M	Y	T	V	V	T	P	M	V	N	P	287
F5	A	A	V	H	Y	A	V	V	T	P	M	L	N	P	287
F6	I	T	V	L	N	T	I	V	T	P	V	L	N	P	290
F12	Ā	s	v	H	Y	T	V	V	T	P	M	L	N	P	288
I3	M	A	M	M	Ÿ	T	V	V	T	P	H	L	N	P	285
13 17	V	S	V	L	Ÿ	Ā	V	I	V	P	L	F	N	P	292
	M	A	M	H	Ÿ	T	V	V	T	P	M	L	N	P	285
18	M	S	L	H	Ÿ	Ī	M	V	Ť	P	M	L	N	P	287
I9		A	M	H	Ÿ	Ī	v	V	Ī	P	M	L	N	P	287
I14	M	A	M	M	v	T		Ÿ					-	P	287
115	M	Λ	1.1	1.5	•		•	•							
F3 F5 F6	V F F F	I I I I	YYY	SST	LLL	R	N N N	K S K	D D D	V M V	KK	S A E	V A A	LL	301 301 304
F5 F6	F	I	Ÿ	S	L	R R	N	S	D	M	K K	A	A A	LLL	301 304 302
F5 F6 F12	FF	I I I	Y	S T	L	R R R	N N N	s K	D D	M V	KKK	A E R R	A A A	LLLL	301 304 302 299
F5 F6 F12 I3		IIII	YY	S T S	L	R R R R	N N N	S K K	D D D	M V V	K K	A E R R	AAAA	LLLL	301 304 302 299 306
F5 F6 F12 I3	FFFF	IIIIIII	Y Y Y Y	S T S S	LLLL	R R R R	N N N N	S K K R	DDDD	M V V M	XXXX	A E R R	A A A A	LLLL	301 304 302 299 306 299
F5 F6 F12 I3 I7	FFFFFFFFFF	IIIIIIIIIIII	X X X X X X X X X X X X X X X X X X X	STSSCS	LLLLL	R R R R R R	H H H H H H H H H	S K K R Q	DDDDD	M V V M V	XXXX	A E R R	A A A A A	LLLL	301 304 302 299 306
F5 F6 F12 I3	FFFFF	IIIIIIIII	X X X X X	STSSC	LLLLLL	R R R R R R R R	N N N N N N N N N N N N N N N N N N N	S K K R Q R		M V V M V	XXXXXXX	A E R R R Q D	A A A A A	LLLLLL	301 304 302 299 306 299

16/99 Figure 4L

F3	K	K	T	L	C	E	E	V	I	R	S	P	P	S	315
F5	R	K	V	L	A	M	R	F	P	S	K	Q	-		313
F6	R	R	T	V	K	G	K	-							311
F12	E	R	L	L	E	G	N	C	K	V	H	H	W	T	316
I3	I	R	V	I	C	S	M	K	I	T	L	_			310
I7	R	R	T	L	H	L	A	Q	D	Q	E	A	N	T	320
18	I	R	V	T	C	S	K	K	I	S	L	P	W	_	312
19	E	K	I	M	C	K	K	Q	I	P	S	F	L	-	314
I14	I	R	V	I	C	T	K	K	I	S	L	-			312
I15	I	R	V	L	C	K	K	K	I	T	F	C	L	-	314
F3 F5 F6	L	L	Н	F	F	L	V	L	С	н	L	P	С	F	329
F12	G	-													317
I3															
I7	N	K	G	S	K	I	G	_							327
I8															
19															
I14															
I15															

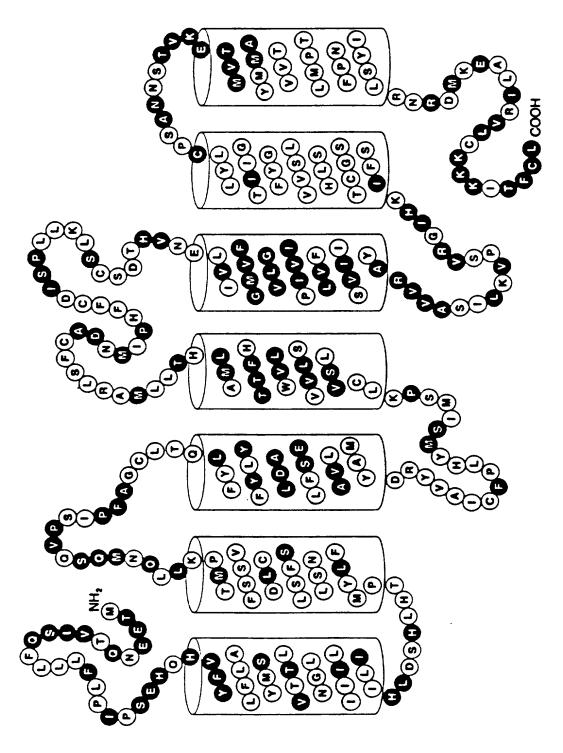
17/99

Figure 4M

F3	I	F	C	Y	_
F5					
F6					
F12					
I3					
I7					
I8					
I9					
I14					
I15					

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Figure 6A(1)

					V									
F2	R	V	N	E	V	V	I	F	I	V	V	S	L	F
F3	F	L	N	D	L	V	I	Y	F	T	L	V	L	L
F5	H	L	N	E	L	M	I	L	T	E	G	A	V	V
F6	Q	V	V	E	L	V	S	F	G	I	A	F	C	V
F7	H	V	N	E	L	V	I	F	V	M	G	G	I	I
F8	F	P	S	H	L	T	M	H	L	V	P	V	I	L
F12	F	P	S	H	L	I	M	N	L	V	P	V	M	L
F13	F	P	S	H	L	I	M	N	L	V	P	V	M	L
F23	F	L	N	D	V	I	M	Y	F	A	L	V	L	L
F24	H	E	I	E	M	I	I	L	V	L	A	A	F	N
I3	Y	I	N	E	L	M	I	F	I	M	S	T	L	L
I7	S	T	A	E	L	T	D	F	V	L	A	I	F	I
18	Y	V	N	E	L	M	I	H	I	M	G	V	I	I
I9	H	D	N	E	L	A	I	F	I	L	G	G	P	I
I11	H	L	N	E	L	M	I	L	T	E	G	A	V	V
I12	F	P	S	H	L	I	M	N	L	V	P	V	M	L
I14	Y	V	N	E	L	M	I	Y	I	L	G	G	L	I
I15	H	V	N	E	L	V	I	F	V	M	G	G	L	V

Figure 6A(2)

	<u>V</u>		_											
F2	L	V	L	P	F	A	L	I	I	M	S	Y	V	R
F3	A	T	V	P	L	A	G	I	F	Y	S	Y	F	K
F5	M	V	T	P	F	V	C	I	L	I	S	Y	I	H
F6	I	H	G	S	C	G	I	T	L	V	S	Y	A	Y
F7	L	V	I	P	F	V	L	I	I	V	S	Y	V	R
F8	A	A	I	S	L	S	G	I	L	Y	S	Y	F	K
F12	A	A	I	S	F	S	G	I	L	Y	S	Y	F	K
F13	A	A	I	S	F	S	G	I	L	Y	S	Y	F	K
F23	A	V	V	P	L	L	G	I	L	Y	S	Y	S	K
F24	L	I	S	S	L	L	V	V	L	V	S	Y	L	F
I3	I	I	I	P	F	F	L	I	V	M	S	Y	A	R
I7	L	L	G	P	L	S	V	T	G	A	S	Y	M	A
I8	I	V	I	P	F	V	L	I	V	I	S	Y	A	K
I9	V	V	L	P	F	L	L	I	I	V	S	Y	A	R
I11	M	V	T	P	F	V	C	I	L	I	S	Y	I	H
I12	G	A	I	S	L	S	G	I	L	Y	S	Y	F	K
I14	I	I	I	P	F	L	L	I	V	M	S	Y	V	R
I15	I	V	I	P	F	V	L	I	I	V	S	Y	A	R

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Figure 6A(3)

F2	I	V	S	S	I	L	K	V	P	S	S	Q	G	I
F3	I	V	S	S	I	C	A	I	S	S	V	H	G	K
F5	I	T	C	A	V	L	R	V	S	S	P	R	G	G
F6	I	I	T	T	I	I	K	I	P	S	A	R	G	R
F7	I	V	S	S	I	L	K	V	P	S	A	R	G	I
F8	I	V	S	S	I	R	S	M	S	S	V	Q	G	K
F12	I	V	S	S	I	H	S	I	S	T	V	Q	G	K
F13	I	V	S	S	I	R	S	V	S	S	V	K	G	K
F23	I	V	S	S	I	R	A	I	S	T	V	Q	G	K
F24	I	L	I	A	I	L	R	M	N	S	A	E	G	R
I3	I	I	S	S	I	L	K	V	P	S	T	Q	G	I
I7	I	T	G	A	V	M	R	I	P	S	A	A	G	R
18	I	I	S	S	I	L	K	V	P	S	T	Q	S	I
19	I	V	S	S	I	F	K	V	P	S	S	Q	S	I
I11	I	T	W	A	V	L	R	V	S	S	P	R	G	G
I12	I	V	S	S	V	R	S	I	S	S	V	Q	G	K
I14	I	F	F	S	I	L	K	F	P	S	I	Z	D	I
I15	V	V	A	S	I	L	K	V	P	S	V	R	G	I

Figure 6A(4)

F2	Y	K
F3	Y	K
F5	W	K
F6	H	R
F7	R	K
F8	Y	K
F12	Y	K
F13	Y	K
F23	Y	K
F24	R	K
I3	C	K
I7	H	K
18	H	K
I9	H	K
I11	W	K
I12	H	K
I14	Y	K
I15	H	K

Figure 6B

					V									
F12	F	P	S	H	L	I	H	N	L	V	P	V	M	L
F13	F	P	S	H	L	I	H	N	L	V	P	V	M	L
F8	F	P	S	H	L	T	H	H	L	V	P	V	I	L
I12	F	P	S	H	L	I	H	N	L	V	P	V	M	L
F23	F	L	N	D	-	_		Y	_		L		_	L
F3	F	L	N	D	L	V	I	Y	F	T	L	V	L	L
	v									_				
F12	A	A	I	S	F	S	G	I	L	Y	S	Y	F	K
F13	λ	λ	I	S	F	S	G	I					F	K
F8	A	A	I	S	L	S	G	I			S		F	K
I12	G	A	I	S	L	S	G	I		_	S		F	K
F23	λ	V	V	P	L	L	G	I		_	S	_	_	K
F3	λ	T	V	P	L	A	G	I	F	Y	S	Y	F	K

Figure 6B (Continued)

F12	I	V	S	S	I	H	S	I	S	T	V	Q	G	K
F13						R								
F8						R								
I12						R								
F23						R								
F3						C								
F12	¥	ĸ												
F13	Y	K												
F8	Y	K												
I12	H	K												
F23	Y	K												
F3	Y	K												

Figure 6C

					V									
F7	H	V	N	E	L	V	I	F	V	M	G	G	I	I
I15	H	V	N	E	L	V	I	F	V	M	G	G	L	V
I3	Y	I	N	E	L	M	I	F	I	X	S	T	L	L
I8	Y	V	И	E	L	M	I	H	I	M	G	V	I	I
I9	H	D	N	E	L	A	I	F	I	L	G	G	P	I
I14	Y	V	N	E	L	M	I	Y	I	L	G	G	L	I
	V													
F 7		v	I	P	F	v	L				s	Y	v	R
F7 I15		V	I		F	v v							V	
	L		_			V	L		I	V		Y		R
I15	L	V	I	P	F	V	L	I	I	V M	S	Y	A A	R
I15 I3	LII	V I	I	P P	F	V F	LLL	I	I V	V M	s s	Y	A A A	R R

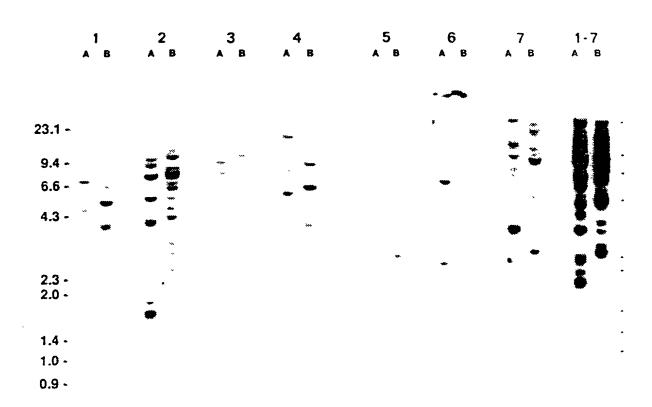
Figure 6C (Continued)

F7 I15 I3 I8 I9 I14	V I I	V I I V	A S S	SSSS	I I I	L L L F L	KKK	V V V	PPP	SSSS	V T T S	R Q Q Q	G G S S	IIII
F7 I15 I3 I8 I9	H H													

Figure 6D

					V									
F5	H	L	N	E	ī	H	I	L	T	E	G	A	V	V
I11	H	L	N	E	L	M	I	L	T	E	G	A	V	V
	<u>v</u>												·······	
F5	H	V	T	P	F	V	C	I	L	I	S	Y	I	H
I11	H	V	T	P	F	V	С	I	L	I	S	Y	I	H
F5	I	T	С	A	v	L	R	v	s	S	P	R	G	G
Ill								V						
F5	W	K												
I11	M	K												

Figure 7



29/99 **Figure 8**

OLFACTORY

BRAIN

HEART

KIDNEY

LUNG

RETINA

SPLEEN

5.0 -

2.0 -



F3T.D1S . Translated sequence of Figure 9A

_		30/99		
60 AAC A	120 * C ATT	180 * TAT Y	24 0 * AAG K	300 * CAG
GAA E	GIC	ATC M	CCA	ACC T
GTA V	ACT		GTT	ATT
50 * TTT F	110 * GTT	170 * ACC	230 * ACT T	290 * TGC ATT
GGA	CTG	CAC	ACC T	GGA G
CIT	TAC	CTG	TCA	SCA A
40 * CTT L	100 * ATG	160 * TGT C	220 * : TGT TTC ATT : C F I	.80 * TAT Y
CTT	TCT	င်င်င် ၁၁၁	TTC F	ACC T
FI	CTC	GAT	c TGT 1	270 * AAT GTC ATC
30 * TCA GAA	FI	0 TCA G	I	GIC
3(TCA	90 * CTT .	15 * ATT I	210 * GAC D	270 * AAT
GT7	GGT	ATC I	GTG V	AAC
AGA R	TAT	GCT ATC A I	TTT	CAA C
20 * ACA T	80 * ATT I	140 * GTG V	200 * TCC S	260 * ACC T
AGG	CTT	AIT	CTG	CAG
AAC N	CCC	ATT	AAC	ATC
10 * AGC S	70 CAA	130 * TCC S	190 * TCT S	250 * AAC N
TCA	CTA	ATA I	CTC	2 GTG V
GAC	GAC	AAC N	TTC	TTA
ATG M	AAA K	GGA G	TTC	ATG

0

Figure 9B

		31/99			
360 * TAT Y	420 * CTC L	480 * CAA AGC Q S	540 * GAA E	600 * A TAT Y	099
OCC P	AAG K	CAA Q	TGT	ATA I	
ATG M	TAC	TTT	ITC	GTG	
350 * ATC I	410 * AAC N	470 * TTG	530 * TAC Y	590 * CTT L	650
ACT T	ATG M	GCC	CAC	GAT	
CTG	ATC	CAT	CCA	AAT	
340 * TTG L		460 * CTT CTG	520 * GAA ATC E I		079
340 * TTC TTG F L	400 * TAC ACA GTT Y T V	4 CTT V	GAA E	F	9
AAC	TAC	AGT S	CTC	GCA 1	
GAC	CAC	GTA V	CAT	GAT	_
330 * TTG	390 * ATG	450 * ATT (510 * ACA (570 * TCT S	630
GAA	CCC	TGG	TGC	TGT	
GTA GAA V E	CAC H	TCT	TIC	ACC	
320 * TIT F	380 * TGT C	440 * GTA V	200 * CCC	560 * CTC L	620
CIC	ATC I	CTG	CTG	CAA C	
TTG L	370 * TAC GTA GCC Y V A	GTT	SCG A	ATT I	
310 * TTC F		430 * CTG	490 TTG	550 * CAG GTG Q V	610
TTT F	TAC Y	4 TTT F	ATG M	CAG Q	•
TAC Y	CGT	GGA G	ATG /	AAT	
ATA I	GAC	TGT	TTG	CCT	

840 * GTA V 720 * ACC T 780 * CTC L 900 AAG K TTC TCC TAC ACT TAC , TAC GTG V AAG ITC 770 * GGA G 830 * ATG M * TCT S 710 * GCA A GTT 890 TAT AAA K CTA GTC V TAT AGT CTT AGG AAT AAA GAT GGC ATC TTC T G I F TAC TCA (GGA G GGG AAG G K GCC ACA GCC TGC ACA 700 * 760 * 820 880 GCT (CAT (TAC 690 * TCA GTT (S V 750 * TTA TTT 7 L F 810 * CCA AGT 0 CTT CCT (870 GTT TCG TCT CAG GTG AAC CCT TTT ATC ACT T CTC V ATA I ICA S 680 * GCT A ¢ GCT A 740 * GTC V 800 * AGC S 860 AAC CTG ICA S TCT GCT GCA AAC A CTG CIT ATA I ACC CCT ATG PRONUC/TRA 670 * TCC S 730 * CAC H * GTG V 790 * 850 TCC . TCT CTT TTT ACA F T TCT Figure GTG V GCA A AGT S

× 2 Z >

Figure 9D

960 * TTC F	
TTC	
CAT .	
950 * CTT	
CTA	
TCC	
940 * CCA CCT P P	1000 * T TAA
CCA P	1000 * TAT TAA Y -
AGT S	TGT
930 * ATA AGG I R	O TITT
930 * ATA /	990 * ATT
GTT V	TTT
GAA	TGT
920 * GAG GAA E E	980 * CCT
TGT	6 CTC C
CTT	CA1
910 * ACT T	970 * TGT
₹ ×	TTA
AAA A	CTA GTG L V
CTG	CTA

Translated to base no.1058

Sequence printed from base no. 57 to base no.1058 Translation begun with base no.

F5T.D1S Translated sequence of Figure 10A

		34/99		
60 * CAG	120 * CTC L	180 * TAC Y	240 * AAA K	300 ** CAG
AGG.	GTC		CCT	ACC
TCC /	ACT T	J 222	GTC	CTC
\$0 * CTC	1110 * GCC	170 * ACC	230 * ACT T	290 * TGT C
GGA G	CTG	CAC	ACC	၁၁
CTG	TAC	CTG		
T CIC 7	100 * S ATC ATG I M	160 * TCC CGC S R	220 * TTC TCC F S	180 * TTC
CIC	ATC I	TC S	TTC	s S
TTC (CTC	GA(ည်ပ	O GCC ATT A I
3AG E	90 * CTC TTC L F	150 * GGC ACA G T	210 * GAT GTC 7 D V	SCC A
30 * ACC (90 cHC	15(* 660 6	21(* GAT D	270 * CAG
GIC	CTG	ATT	GTG V	AGT S
AGT S	TTC	GCT	F	၁
20 * TCC S	80 * CTC L	140 * CTG L	200 * TCC S	260 * CTT L
CAG Q	CTC	ATC	CTG	ATA I
AAC	CAG Q	ATC	AAC	CAT
10 * ACC T	70 * CAG	130 * CTC L	190 * AGT S	250 * AAC N
AGC S	CAG	ctg L	orc L	CCC A
AGC S	CAG Q	AAC	TTC	CTG
ATG	CCC	GGA	TTC	GTT

	360	* TAT	420 * CTC L	480 * ATA I	540 * GAT D	600 * S ATG ATT CTT M I L	099
		TCC	CAG	CAC	TGT	ATT	
		ATG	CGT	TTG	TTC	ATG M	
	350	cTC V	410 * ACC T	470 * CTG	530 * TTC F	590 * ; CTG / L	650
		GCT	ATG M	TGT	CAC	GAG E	
		CTG L	AAG	AAT N	ردر م	AAT	
	340	CTG L	400 * ACA T	460 * ATG M	520 * ATC I	570 580 590 *	240
	• •	TTC	ACA	AAC	ATG	CAT	
		AAT	TAC	V	AAC	ACA T	
	0	GAC	CAC H	O GTA V	O GAC D	O GAC D	0
	33	ATG	39 * TTA L	45, * GTT V	51 * GCA A	57 * TCA S	63
		& Z	S P	TG W	TGT	<u> 1</u>	
		GGT	CAC	TCA S	TTC	လ လ	
	320	TTT F	380 * TGC C	430 440 * * * CTT GTT GTG GGG 1 L V V G	500 * TCC S	560 * AAA CTC T	620
		GTG V	ATA	GTG V	CTC	AAA K	
		GCT A	GCC	GTT	CGA R	CTG	
	310	CIC	370 * TTT GTG (F V	430 * CTT L	490 * GCT A	550 * CCC CTC P L	610
10B		TTT F	III F	CTC L	ATG M	ည္သ	
Figure 10B		TAT	CGA R	430 CTC CTC CTT V L L	490 * CTC ATG GCT L M A	GGA ACT (
Figu		CTG L	GAC	IGT	CTG	GGA G	

35/99

Figure 10C

		36/99	
CAC H	720 * ACC T	780 * TTC F	840 * GTC
ATC	TCC	TAT	GCA
TAC Y	TIC	GTG V	TAT
* TCC S	710 * TCC S	770 * GCT A	830 * ATG
ATC	AA ×	ATC I	GTG
CTC	TGG	GTC	GCA
* TGC ATC C I	700 * GGA G	760 * ACC T	820 * . ccT
TGC	00 A	၁၁၁	CA
GTC	AGG R	TAT	ATG
TTT F	CCC) TTC F	CAC
CCA P	690 * TCC S	750 * CTC L	810 * AGG 0
ACC	TCA	TGC	ວວວ
GTC V	GTC	GTC	CCT
* ATG M	680 * AGA	740 * V V	800 * TTA
GTG GTC ATG	GTC CTC V L	CTG GCT L A	T CAC OPTION
GTG V	GTC	CTG	TCT 0
* GCT A	670 * . GCT	730 * CAC	790 * TCC /TRA
SGA G	for c	730 * GCC TCC CAC G S H	790 * CA TCA TCC PRONUC/TRA
ACA GAG GGA GCT T E G A	670 * ATC ACC TGT GCT I T C A	၁၁၁	790 800 * * AAC CCA TCA TCC TCT CAC TTA PRONUC/TRA OPTION
ACA T	ATC	1GT O	AAC

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Figure 10D

	37/99
900 * GCT A	
GCA A	
AA K	
890 * ATG	
GAC	
AGC S	
880 * AAC N	940 * TAA
AGG R	CAG OAG
CTG	AAG
AGC S	TCT
870 * TAT Y	930 * CCA P
ATC	TTT
TTC	AGA R
860 * CCT	920 * ATG M
AAC	S A
CTG	o cic g
850 * ATG	10 * CT V
CCA	AAA K
GTG ACC V T	
GTG	TTA AGG L R

Translated to base no.1003 Sequence printed from base no. 62 to base no.1003 Sequence numbered beginning with base no. **6**5 Translation begun with base no.

F6T.D1S Translated sequence of Figure 11A

		38/99		
60 * TIC F	120 * CTT L	180 * ACA T	240 * TGC C	300 * TGT
ပ္ပ	CTG	CAG	SCC A	၁၅၅
CTG	TAT			
50 * TTG			230 * ACC T	290 * TTG
TIC ATC F I	GTC	AGA R	ITC	TCC
TTC	CTG	CAC	220 * GAG ATC TGG T E I W	ATT
40 CCA P	100 * TTC F	160 * c cta cct ccc c v c a	220 * TG GAG ATC TG L E I W	280 * GTC V
CCA GGA	CTT	0 199	GAG	OS S
CCA P	CTG	GTA	CTC	0 0
ACA T	90 * CTC TTC L F	£ 1	TT F	000 8
30 * TCC S	9(* CTC L	150 * TCC S	210 * TCC S	270 * CCT P
CTG	ນ ນິນ	ATC ATC I I	CTC	SCG A
AAC	ATT	ATC	AAC	777
20 * CAG	80 80 80 80 80 80	140 * GCC A	200 * TGC C	260 * ACA T
ງ ວອອ	ATG	CTA L	CIC	QCC V
ACT T	AGC	AAC	TTC	CIG
10 * AGT S	70 * AGG R	L30 * GGA G	190 * TTC F	250 * ACC T
TGG	CCA	GIT	TAC Y	AAG K
GCT	999	GTA	ATG	D A
ATG	CCA	ACG	CCC	GTA V

Figure 11B

		39/99			
360 * CTG V	420 * ACT T	480 ACA T	540 * TIC F	600 * CTG L	099
GCT	ATG M	ATC I	CAC	GAA E	
CTG	ATC I	GCA	AAC N	GTG V	
350 * CTG L	410 * 66C 6	470 * TCT S	530 * ATC I	590 * GTG V	650
TTC	GGT	TTT F	GTC	CAG Q	
TAC	TAT	999	CGT	ACG T	
340 * GAG	400 * CTG CGC L R	760 * 097	520 * : TCA S	580 * ACC GAC T D	079
340 * ACC GAG T E	CTG L	460 * CTG TGT L C	520 * GGC TCA G S	ACC T	w
TGT C	CCA	TGG	TGT	1GC C	
ງ ວອງ	CTG	TCC) TTC F	TCC S	0
330 * TTG (390 * TGC (450 * GGA 1	510 * TCT S	570 * CIT L	630
ICT	ATC	CTG	CIC	GTG V	
TIT	QCC A	OCC A	င်င အ	ATA I	
320 * GTC V	380 * CTG L	440 * TTG L	\$00 \$ \$	560 * TGG	620
TTT	TAC	CGG R	ATT	CCC	
TAC	ဂ က က	ATG M	CTC	TCG	
310 * CAG ATG Q M	370 * TAT GAC Y D	430 * CTG GCG L A	490 * ACC T	550 * ATT	610
CAG	TAT	CTG	4 CCT	550 * GAC ATT D I	v
ACA T	GCT	9 99	CCT	TGT	
000 V	ATG M	CCT	GTT V	ITC	
I		•			

Figure 11C

٠, ١	0	0	840 * TG	
* TCC	720 * G CC	780 * TTC F	84(* CTG	٦
GTC	င်င်င န	ATC	GTG	T V
CTA	CAC H	ACC	ACA	₽
ACA T	710 * CGG	770 * TCC S	830 * ATC	A
ATC	၁၁၁	ပ္ပ	GCT	4
GGT ATC	000 R	TAT	AAA	×
* TGT C	700 * TCT GCC S A	760 * CTG ATT TGG L I W	820 * CTC ACC AAA	H
TCG	ICT	AIT	CTC	-1
GGC TCG G S	A CCC	CTG	GAC	Ω
* ATT CTG I L	690 * AAG ATT K I	GTG V	810 * TCC TTG	u
* ATT I	690 * AAG	750 * GTG 0	810 * TCC .	S
TIC TGT GTT A	680 * r acc arc arc T I I		AGC	S
TGT	ATC	740 * CAT CTC ACT H L T	GAG	ធា
* TTC F	680 * ACC T	740 * CAT H	800 * GTA	>
SCC A	ACT	TCC	C TCG	S A
ATT I	ATC I	TCA S	ACC	H
200 *	670 * ATC	730 * TGC C	790 * AGG /TRA	V R
TTT F	TAC	ACC	790 * AT GTG AGG PRONUC/TRA	
GTG TCC TTT GGC ATT GCC V S F G I A	670 * TAT GCT TAC ATC ACT Y A Y I I T	730 * TTC TCA ACC TGC TCA TCC F S T C S S	790 800 * TTG CAT GTG AGG ACC TCG GTA GAG AGC PRONUC/TRA OPTION	Ħ
GTG V	TAT	ITC	TTG	٦

Figure 11D

900 * CTC		
GAT G		
AAG		
890 * AAC N		
AGG R		
CTG		
880 * ACT		
8 TAT Y		
ATA I		TGA -
TTC		AAG K
870 * CCT	930	၁
AAC N		AAG K
CIG		GTG
860 * GTG	920	ACG T
ACA CCT T P		AGG R
ACA T		CGC
850 * CTC	910	CTG
III	6	3CT A
ACC		GAA E
AAC ACC A		AAG GAA (K E

Sequence printed from base no. 75 to base no.1010 Sequence numbered beginning with base no. 75 Sequence numbered beginning with base no. Translation begun with base no. Translated to base no.1010

F12T.D1S Translated sequence of Figure 12A

		,		
60 GAA E	120 * GTG V	180 * ATG M	240 * CCA P	300
ACA T	ACA T	ညည	ATC	
TIT	GTA V	ACA T	ACC	
50 * GGA G	110 * CTG L	170 * CAT H	230 * ACC T	290
CIT	TAC Y	TTG L	TCC	
CIT	ATG M	CAT H	ACC	
40 * TTT F	100 * TCC S	160 * TCT S	220 * : TTC	280
F	CTG	CAG Q	TGT o	
AGT S	TTC	ACA T	ATC	
TCA	CTA	ATC I	GAC	
30 * TTT :	90 * GCA 0	150 * ATC ,	210 * GTG G	270
R R	TIT	gcc A	TIT	
A AGA 1	80 * CTC ATT L I	ATG M	TCC 1	
20 * ACA /	80 * CTC L	140 * ATT	200 * CIA	260
AGC S	TTC	AIC	AAC N	
AAC	CAC	CIT	GCT	
10 * GGG G	70 * CTT L	130 * CTG L	190 * CTT L	250
TCA	CAA Q	AAC	IIC	
GAA E	CCA P	^ပ ္ပ	TTT	
ATG	A AC	CTT	TAC	

480 CAG 540 * TGT C 900 420 360 * 000 * V 200 200 ATG GTG ATG V M TGT ATT C I ATA I ATA CAC TTC F CTC TTC AAC TTC F TAT GAA GAC * CAC GTG GCC CAC GCT 470 530 290 350 410 * CCA AGT
P S CTC L CAT ATT CCT 330

TIC GCA GAA TIG GGC AAC TIT CTC CT'

A E L G N F L CTC > TTC CAT CTC AAA ATC
D V K I TAC ACA Y CAG AGC AAG AGC ATC ACC TGG GTT ATC AGC ATT GAC AAC TTT 097 520 580 TGT H TCA ပ္သ CTC 570 * 390 CCA (**4**50 510 TGT * TGT CTC ACC ' CAC TCC TTC ACC T ACC CIG TGT H S & TAC 380 * A-C X 500 * TTC L 320 * GTT 440 * CTG \$60 TCC S TIC CAG ATA I GCT CIT AAT CIG CTG TIC GTG CIA Z CTT AAT CAG TTG GTA CGA TAT CTG GTG V CAG ATG TGT GTC 430 370 * 067 550 310 ATC ATT I ATG ITA CAC Figure TCT

Figure 12C

660 * TIC F	720 * TCT S	780 X Y	840 * ACT
TAT	TTT F	GTG	TAT
TCT	GCA .	GGA	830 * GTC ATG
650 * TAC Y	710 * AAG K	770 * CTC L	830 * GTC
CTT	TAC	၁၅၅	TCG
ATC (AAG	ACA	820 * GCT. GCA AGT GCT
640 * TTC AGT GGC F S G	700 * CAG GGG	750 760 * * TCC TTA TTT AGT S L F Y S	820 * AGT
AGT S	CAG	TAT	gCA GCA
TTC	GIT	1111 F	CCT
TCC ;	690 * TCC ACA S T	TTA	810 * CAT TCT
630 * GCA GCC ATT A A I	690 * TCC .	750 * TCC S	810 *
QCC A	TCT ATC S I	ATT GTC I V	AGC TCA
	TCT	AIT	AGC
620 * GTT ATG TTG V M L	680 * CAT H	740 * TCC S	800 * CAA
ATG M	TCC ATA	CAC CTT H L	G GTC OPTION
GTT	TCC	CAC	GTG O
610 * CCT	670 * TCC S	730 * TCT S	790 * GCT /TRA
GTA V	GTA	000 V	790 * GT TCT GCT PRONUC/TRA
610 * AAT CTT GTA CCT N L V P	670 * AAG ATA GTA TCC K I V S	730 * ACT TGT GCC TCT T C A S	790 800 * GTC AGT TCT GCT GTG GTC CAA PRONUC/TRA OPTION
AAT	AAG K	ACT	CIC

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Figure 12D

	43/33
900 ** AGA	
AAG	
GTG V	TGA -
890 * CAT D	950 * GGA G
AAA	ACT
AAT	TGG
880 * AGG	940 * CAT H
CTA	CAT H
AGT S	GTG V
TAT Y	AAA K
870 * ATT '	930 * TGT
TTC	AAC
ညည	GGA
860 * AAC N	920 * GAA E
CTG	TTA L
ATG	CTG
850 * CCC	910 * AGA R
ACC T	GAA
GTC V	CTG
GTG GTC V V	GCT

Translated to base no.1126 Sequence printed from base no. 173 to base no.1126 Sequence numbered beginning with base no. 173 Translation begun with base no. 173

I3T.D1S Translated sequence of Figure 13A

60 GAA E	120 * AAC N	180 * TIT F	240 * CTC	300 * TAC Y
GAA	GGA G	TTG L	CTG	ACA
CCT	ITG	TAT Y	AAG K	CAA
50 * ATC I	110 * ATC I	170 * ATG	230 * ATG CCC M P	290 * GCA A
CCC	ACC	CCT	ATG	CTG
iig L	T T	L CA	T	ည္သ
07 809 807 907	100 * CTC L	160 * CAC H	220 * * TCC TCT GTC A S S V	280 * GGC G
CTG L	TAC	CTC	TCT	S V S S
CIC	ATG M	CAG Q	TCC	TAT
CTT	C CTC	TCC S	TT 4	CCC
3(* TTC F	9(* CTG L	15(* GAC D	210 * TGT C	27(* ATT I
CAA Q	TTC	CTG	CTA	TCC
ACC	TTG	CAA	200 * TCT GAT CTA S D L	260 * GAC ACA T D T
20 * ATC I	80 \$ * 0 \$ 0	140 * GTT V	200 * TCT S	260 * GAC D
TIC	TAT	CIT	TTC	CAG
ACT	TTC F	GTA V	ICT	AGC S
10 CAA	70 * CTG L	130 * ATT I	190 * TTG	250 * AGG R
AAT	CAC	ATC I	AAT N	ATG M
AAC	CAG Q	CTA L	AGC S	AAC
ATG M	CAT	TTG L	CTC	CAG

	360	SGC R	420	ACT	084	*	CTT)	240	LTT	ĹĻ	009	× (A I C	099
				rgT c			CTC -)		CTA	∟		(AIC I	
		TAT GAC Y D		CTC 7		,	ACA T			GAC	Ω		4	F 1	
	350	SCC A	410	AAG K	470	*	CAC H	•	530 *	ICT	ပ	590	* £	AIA	650
		ATG M		CCC		!	ATG M	:		TTC	[Ŀ,		•	A I C	
		GCC A		CAT TAC ACC AGC ATC ATG AGC CCC H Y T S I M S P			ATG M	;		TTC	Įzų.		Ę	11.	
	340	CTT GTG L V	00*	ATG M	091	* (ပ္ပ 🗸	}	520 *	AAC	Z	580	* (SAS D	079
	(-)	CIT	7	ATC	•	1	CAT H	;	• .	CIC	_	•	•	Z Z	
		CIT		AGC S		•	rcc s)		CIC	>	570	į.	AII	
	•	TTC F	0	ACC T	0	•	ACA T	ì	_	GTG	>	0	f	TAI Y	0
	330	ACT S	39(TAC	45(* (ACG T	•	21 *	AAT	Z	57(* [ACI	630
				CAT 1						AAC	Z		Ç	8 2	
	ļ	ATG M		CIG		(ATG M	}		GAG	ы		Ç	S	
	320	CAT D	380	TTC CCT F P	077	* (TCC		200 *	TGT	ပ	560		ာ ၁	620
		GGA CAT G D		TTC			11. 12.			TTT	Ĭsi į		ני	ر ۲	
	(!	III F		TGC		į	LIA			TCT			ָ נ	1	
	310	GTT V	370	GCC ATO A I	430	, (515 1		490 *	TTG	_	550	\ \ \	A K	610
13B	£ (ATG GTT M V	en en	GCC A	7	6	5 2		7	AGA	~	UI	Ę	CIA	Ψ
Figure	6	F		GTG V		Ę	CIA GIG			GCA GCA AGA	⋖		ָרָ קר	L L K L	
Fig	Ę Ę	1 2 3		TAT		Ę	<u>.</u> 0			CCA	⋖			7 N	

Figure 13C

*	ATA I	
	ATC I	
	AGG R	
*	GCA A	
	TAT Y	
	TCC	
*	ATG M	
	GTT V	
	ATT	
	CTC	
*	TTC	
	TTC	
	CCA P	
*	ATT	
	ATT AT. I I	
	CTC ATT L I	
*		
	CTC	
	AÇA T	
	AGT S	

720	*	TD:	S	780		CCA	പ
			ပ			TCT (
			H			TTA	
710	*	TCT	S	770	*	TAC	>
		TTC	Ŀı			CIC	H
		GTC	>			GGT	
200	*	AAG	¥	992	*	ATT	H
-		TGC	ပ			ATT	H
		ATC	H			ACA	
		၁၅၅	ပ	0		ეეე	ပ
069	*	CAA	0	750	*	TAT	>
		ACC	H			TTC	ĹĿij
		ICI	တ			CTG	-1
680	*	CCA	М	740	*	TCA CTG	S
		CTT	>			GTA	>
		AAG	×			CTA CTA	>
670	*	CIT	H	730	*	TCL	S
Φ		ATT	H			CTG	1
		TCT	လ			CAT CTG	H
		TCC	S			ICC	S

17T.D1S Translated sequence of Figure 14A

60 ** GCT A	120 * TTG L	180 * ATC	240 * CCT P 300	s cac
CCA	GTG	ردر 200	ACG ATT O	TTT (
TIC	TTG	AA ×	ACG	TCC
50 661	110 * GTG	170 * CAC	230 * CTT V V 290	* ATC I
CŢĆ	TA7	CTC	ACJ	CTG
TTG	i ×) 100 ⊢	A A	AG ~
07 \$ 07	100 * CTG	160 * CCA P	220 * T TGG TAT G W Y	& GGA *
TIT	CTT	CAC	TGC	CAT
S E	TC	A z	AT	ğ z
O AGT S	O CTT L	O AGG R	210 * CTG GAG L E 270	GAG
3 * CTG V	9 * TTC	15(* ATT I	21(* CTG L L	AAG K
AGA R	TIT	GCA	TIT	TCC
ე	CTA	ATA I	TCA	GGT
20 * AGT S	80 * GTA CTA V L	140 * ATC ATT I I	200 * ATG M 260	ATT I
			AAT	TTC
AAC	CGA R	CIC	GCT	၁၁၁
10 * AGG R	70 * CTG L	130 * ATG M	190 * TTG L L	¢ GCT A
CGA R	CCA	AAC	TTC .	CIC
GAG	SCC A	GAA	111	ATG M
ATG M	CCT	ACT	TAT	AAG K

Figure 14B

		•		
360 * CTT	420 * CCC GTC ATT P V I	0 480 * T TTT GGT ATC F G I	540 ACC ATC AAC T I N	600 * TCC ACA GCA S T A
330 340 350 * * * CTG GGC TTG GGT TGC ACA GAG TGT GTC CTT L G L G C T E C V L	GTC	GGT	ATC	ACA T
GTC	CCC	TIT	ACC	TCC
350 * TGT C	410 * TAC Y	450 460 470 * * * * * TG GCA GCT GGA GGT T1	530 * AAC N	570 580 590 *
GAG	CAC	GGA G	ညည	GAC
ACA	CTC	GCT	၁၀၀	ACT
340 * TGC	\$ \$ CCA	160 TGG	520 * TGT C	580 * TGC C
GGT 0	CAT	TCC	TAC	TCA
TTG	TGT	S S S	ICT	CIG
ဗ ၁၅၅	O ATC I	O GCT A	CTG	AAC
33. * CTG	39(* GCT A	4 5 4 5 4 5 4 5 4 5 4 5 4 5 4 5 6 5 6 5	51(* CGC	57(* CTC
TTC	GTG V	ATG	TCT	77G
20 kc tit tic Y F F	TAT	CAG	ATT	CCA P
£ 3	380 * : cgc TAT GTG c R Y V	440 * GTG CAG ATG V Q M	500 * CTT ATT TCT L I S	560 * TCT CCA TTG S P L
CTC	GAC	ည်	IIC	GTG V
CAA Q	TAT	CTA	GTT V	GAT
310 * ACA	370 * GCC A	430 * CGG	490 * * * * *	550 * TTC TGT GAT F C D
ATG	ATG	AGC	GTT	TIC
310 * GCA TGC ATG ACA CAC A C M T Q L	370 * GCT GTG ATG GCC TAT GAC A V M A Y D	AGT S	TCC ATG S M	ITT
GCA A	GCT	GTC ,	TCC	CAC .

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Figure 14C

9 999 999	720 * CAT H	780 * ACT S	840 * TCT S	900 * * CAA
ACT	င်င က	GCC	GIC	AAC
GTC	ပ္ပပ္	GCA GCC	CTG GTC L V	890 * TTG CGC AAC
24 42 8	10 to	70 * * Y	30 46 46	30 FG
e crc 1	GCT	TTC	AAC	TGC
000 1	TCA S	ATC	810 820 8: *	TAC
540 * GGA G	700 * CCC	760 * ATC I	320 * GAC D	380 * ATC
CTG L	ATC I	GTG V	III F	ATC
CTG	င်င န	GTT	GCT	ပ္ပံ
ATT I	ATG M	ACT T	TCA	AAT
63(* TTT	69(* GTC V	75(** CTC L	810 * CTC L	87(* TTC
GCC ATT A I	GGT GCT G A	CAC	r AAG GCA (TTG
SCC A	n S	TCC	AAG K	ອວວ
620 * C TTT GTC CTG F V L	680 * ACA T	740 * GCC A	800 * r ccc acc cct	860 * T GTC ATT GTA CCG TTG T
GIC	ATC	TGT	AGG R	C ATT OPTION
TIT	SCC A	ACC	8 V	GTC 0I
610 * CAC D	570 * ATG M	730 * TCA S	790 * TAT Y	850 * GCT
610 * GAG CTT ACA GAC E L T D	TAC	AAA GCC TTT TCA K A F S	ATT TTC ATC TAT	850 * GTA CTC TAC GCT PRONUC/TRA
CTT	TCC	ပိုင္ပင္ A	TTC	CTC
GAG	670 680 * * GCA TCC TAC ATG GCC ATC ACA GG1 A S Y M A I T G	AAA K	AIT	GTA

Figure 14D

_		
960 * * ACC		
AAT		
SCC A		
950 * GAG		
CAG Q		
GAC		
940 * CAG		
000 V		
CTG L		
O CAC H		
930 * CTG (
ACG		
CGC		TAG
920 * CGT R	980	CGT
9 3 CTA C		ATT I
S S S		AAA ×
910 * AGA R	970	AGC S
AA ×	O.	၁၁၁
GAT GTC D V		AAA ×
GAT		AAC N

Translated to base no.1102 Sequence printed from base no. 119 to base no.1102 Sequence numbered beginning with base no. 119 Translation begun with base no. 119

I8T.D1S
of
sednence
Translated
15A
Figure

53/99				
60 * GAG	120 * AAC N	180 * TTT F	240 * CTG L	300 * TTC F
CCA P		TIG	TTG	
ည်သ	CTG	TAC	AAA	
50 * ATC I	110 * TTT F	170 * ATG	230 * CTG L	290 * ACA T
200	ACC	ပ္ပင္ပ	ATG M	CTG
TTG		ACA T		76 C
07 V	100 * : CTC L	160 * CAC	220 * r ctt	.80 * CGA
CTG	ΤĀ	Ę, 1	TCT	CCA A
CTC	ATG	CAT	TCC	TAT
O CTC L	O ATC I	o TCT S	TIT	TCC
	90 * CTG /	150 * GAC D	210 * TGC C	270 * ATA I
CAT H	TTC	CTG L	CIC	ICT
ACC	CTG	CAA C	GAT	CCA P
20 * ATC I	80 4 80 8	140 * GTT V	200 * TCT S	260 * GTA V
GTC	TTT	CTT	TTC	CAA Q
ACT	ITC	GIC	TCC	AGC S
10 * AAA K	70 * CTG L	130 * GTT V	190 * TTG L	250 * CAG
AAC	CAA Q	ATT	AAC	ATA I
AAC N	CAG	CTA	AGC S	AAT N
ATG M	CAC	CTG	CTC	CAA

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			24/33			
,	380 CGC R	420 * ACT T	480 * CTT L	540 * TTT F	600	099
	CAC	TGT	CTG	CIG	ATC I	
	TAT	CTC	ACC	GAC	CAT H	
350	000 A	410 * AAG K	470 * CAC H	530 * TGT C	590 * ATA I	929
	ATG	CAT H	ATG M		ATG M	
		AGC \$	ATG M	TIT	TTG	
340	CTT GTA	400 * 3 ATC ATG /	460 * CAT GCC H A	520 * CTC AAC L N	580 * AAT GAG N E	079
	CIT	ATC	CAT	CTC	AAT	v
	CIT	¥ z	TCI S	CTC	CTT	
0	TTC	O ACC T	O TCA S	CTA V) TAT Y	_
33	AAT.	390 * TAT '	450 * ACA 7	510 * AAT (570 * ACT T	630
	9 9 9 9	CAT	ATG M	AAC	GAC	
	17	CTG	ATA I	GAG	TCA S	
320		380 * CCT P	7440 440 740	500 * TGT C	560 * TGC C	620
	ပ္ပံ ပ	ITC	TIT	TIT	SCC A	
	TIT	TGC	GTA V	ICT	TTG	
310	* TTG L	370 * ATC I	430 * CTG L	490 * TTG L	550 * AAG K	610
	TTG	SCC A	CTG	AGA R	S CTA L	•
	TIT	GTG V	CIC	GCA A	CTC	
1	TIC	TAT	IGT	GCA A	GTT	

Figure 15c

		55/99	
* AAG ATC ATC K I I	720 * GCT G	780 * CCA P	840 * ACT
AIC	TGT C	TGT C	GTA
AAG	ACT TGT T C	TTA TGT L C	CTC
* GCC	710 * TCC S	770 * TAT Y	810 820 830 * TCT GCC ATG GCT ATG ATG TAC ACA
TAT Y	TTC	CIC	TAC
TCC TAT	GTC TTC V F	DO	ATG
CTG CTC ATT GTT ATA	690 700 * * CAA AGC ATT CAC AAG Q	760 * ATT	820 * ATG
GTT	CAC	ATT	8 GCT
ATT I	ATT	ACA T	ATG
CIC	O AGC S	750 760 * TAC GGG ACA ATT ATT Y G T I I) (
* GTG V	690 CAA ,	750 * TAC (810 * TCT (
CCA TTC P F	ACT	ITC	ວວວ
	TCT	CTG	AAG GGG
* ATT I	680 * CCA	740 * \$ TCT (800 * CTA
GTT V	AAG GTT K V	GTG V	T AGT OPTION
ATT	AAG K	GTG GTG V V	TIT OP
* ATC I	670 * CTT L	730 * TCT S	790 * AAT /TRA
ATC	ATT	CIC	790 * GT GAT AAT PRONUC/TRA
GGC GTG ATC ATT GTT ATT G V I I I V I	67 * TCC TCC ATT C S S I	730 * TCT CAT CTC TCT S H L S	790 800 * TCA GGT GAT AAT TTT AGT CTA PRONUC/TRA OPTION
၁၁၁	TCC	ICT	TCA

55/99

Σ Σ 4 Z ¥ × CCA ATG CTG AAC CCG TTC ATC P F I

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Figure 15D

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6		T.A.T.	2 1
		TCC	3
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		ATC	Н
920	*	AAA	×
		AAG	×
		AGC	လ
910	*	TCT	ပ
•		ACC	Н
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		AGA	~

995 Translated to base in. Sequence printed from base no. 57 to base no. Sequence numbered beginning with base no. Translation begun with base no. Translated to base no. 995

19T.D1S Translated sequence of Figure 16A

		/99		
09 *	120 * CTG	180 ** TAC	240 * AAG K	300
TTC	CIC		CCC	
CCA CCA	ACT T	CCC	ATG M	
50 * CTG	110 * ACC T	170 * ACA T	230 * ACA T	290
၁၁၁	=	CAC	GTC	
CTG	TAC	CIC	TCT	
40 * CTT	—	160 * CAT H	220 * TCC S	280
TIC	QCC A	TCC S	TIT F	7
TIC	CTC	GAC D	TGT	
O CAG	O TIC F	CTG	CTC	_
30 * TCT (90 * CTG '	150 * CTA	210 * GAC D	270
ATC	GCC	ATT	ეე ♦	
A GCC	TAT	CIC	TIT	
20 * ACT	80 * TTC F	140 * ATC I	200 * TCC S	260
CAA	CTG	ATC I	TTA	
AAC	CAC	ATC I	AAT	
10 * AGA R	70 * CAA	130 * ATC I	190 * AGC S	250
AGA R	TAC	CTC L	CTC L	7
ACT	GAG Ë	AAC	TIT	
ATG ,	GCA P	၁၁	TTG	

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cac *	360 * TAT Y	420 * c TC L	480 * ACC T	540 * GAT D	600 * TTT F
GCA	S S S S	AAG	CAC	TGT	ATA I
CTG	ATG	ညည	CTG	TTC	GCA A
* 1300	350 * GCC A	410 * AGC S	470 * ATG M	530 * TAT Y	590 * TTA L
ည ည	GTG	ATG	OCC V	CAC	GAA
GCA	CTT	ATC	CAT	CCT	AAT
* TAT Y	T * CTG L	* * AGC	460 * TTC F	520 * ATC I	580 * GAT D
CCC	TTC	ATG M	ACC T	CTC V	CAT
ATC	AAC N	TAC	ACT T	AGT S	ACC
TCC	O GGA G	O CAT H	O CTG L	O GAC D	O GAC D
CCA P	33(* CTT	39 * CIT	45(* GTG V	51(* GAG	S7.
GTT	GAC	CCC	TGG	TGT	Tot o
S &	GGA G	TTC	TCC	TTC	GCT
AGC S	320 * TTT F	380 * TGC	440 * CTG	500 * TCA S	560 * GTC V
CAG	TIT	ATC	GTG V V	TTG	AAA
ATG	CTG	QCC A	GTG V	AGA	CTG
AAC N	310 * TTT F	370 * GTG V	430 * CTG L	V 225 *	\$50 * CTG L
SB CAG	TTC	TAT	AGT S	ATG M	ACT
e 16 TTG L	TAC	CGC	GTG V	CIC	TCT
Figure 16B * * * TTG TTG CAG AAC ATG CAG AGC CAA GTT CC	ATA	GAC	TGT	490 500 510 520 530 540 540 *	ATG

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Figure 16C

660 * AGA R	720 * ACC T	780 * TTA L	840 * ATG
GCA	TCC	TAC	TAC ACA
TAT GCA / Y A	TTC	CTC	TAC
650 * TCT S	710 * AAA GCC K A	770 * GGT G	830 * ATG
GTT	AAA K	ATT	TTG
AIT	CAT H	GTC A	TCT
640 * CTC ATC L I	00/ * ATC	TTC TAT GGG ACA F Y G T	810 820 * * AAG GAG ACT GTC ATG
CTC	AGC S	999	e CTC
CTT	CAA	TAT	ACT
O TTC (o TCT S	TTC F	CAG
630 * CCT .	690 * TCT 1	750 * CTG	810 * AAG
CTA L	GTC CCT V P	TCA S	GTG
GTA V		CTG V	ACT
620 * GTT V	680 * AAG K	740 * GTG V	800 * TCC
ATA I	TTC	ICT	T AAC
CCT	ATC	CTG	AAT OF
610 * GGC G	670 * TCC S	730 * CAC	790 * GCT /TRA
້	TCC	TCC	790 * CT TCA GCT PRONUC/TRA
610 * ATC TTA GGG GGC CCT ATA I L G G P I	ATT CTT TCC TCC ATC TTC AAG I V S S I F K	730	790 800 * * TGT CCT TCA GCT AAT AAC TCC PRONUC/TRA OPTION
ATC	ATT	TGT C	TGT

Figure 16D

900 * GCA A	
GAT	
AAA ×	
890 * ATA I	
GAC	
AGA R	TGA
880 * AAC N	940 * TTT CTA :
AGA R	TIT
CT	TCC
AGC S	200
870 * 5 TAC AG Y S	930 * ATT I
ATC	CAA
TTC	AAG K
860 * CCC	920 ** AAA K
AAC	TGC
CTG	ATG M
850 * ATG M	910 * ATA I
စ ၁၃၃	AAA A
ACA T	GAA E
GTG	TTA

Translated to base no.1144 Sequence printed from base no. 200 to base no.1144 Sequence numbered beginning with base no. 200 Translation begun with base no. 200

114T.D1S Translated sequence of Figure 17A

60 * CCA	120 * CTG L	180 * TAC Y	240 * AAA K	300 * CAG
AIC	ATC	ATG	CCC	ACA T
CCC	ATC	CCC	ATG CCC	CTG
L 17 × 50	4 0 * ∺	× 10 × 10 × 10 × 10 × 10 × 10 × 10 × 10	8 * 6 H	
GGT	CTC	CAC H	GTC	ງ ວງງ
CTG	TAC	CTC L	TCT	ACA T
40 * CTC L	100 * ATG M	L60 * CAT H	210 220 2. * * T GAC CTC TGC TTT TCC TCT GTC AC D L C F S S V	.80 * TAT Y
CTC	000 P	TCT S	Z TTT F	2 TCC S
TIC	CTG	GAC	TGC	ATA I
O GAG E	o TTC F	CTG	CTC	TCT S
30 * TTC L	9(* CTG	15C * CGA R	21C * GAC D	270 * CCA P
51	ಲ್ಲ ∢	T >	Úν	£ >
TTG	TAT	CTT	200 * TCC TTC T S F	CAA
20 * ACT T	80 * TTC F	140 * GTC V	200 * TCC S	260 * AGC S
CA.	CTG	ATT	TTG	CAG Q
AAC	CTC	ATC	AAC	ATG M
10 * AAT N	70 * CAT H	130 * CTA L	190 * AGC ,	250 * AAC N
GGA G	TAT	CTG L	CTC L	2 CAG
ACT T	GAG .	AAC	TTT F	CTT
ATG	TCA	0 0	TTG L	TTG L

			,			
	360 * TAT	420 * TTC F	480 * T	540 * GAC D	600 * TAT Y	099
	SCC A	AAG	CAT	TGT	ATA I	
	ATG M	AC	CTG	TTC	ATG M	
	350 * GTC V	410 * AGC S	470 * CTG L	530 * TTT F	590 * CTG	650
	GTG V	ATG	SCC A	CAC	GAG	
	CTT	ATC	CAT H	CIT	AAT	
	340 * TTC CTT F L	400 * TAC ACC ACC /	460 * ACG ATG ACC T M T	520 * ATT I	80 * CTT V	079
	TTC	ACC	ATG M	GTC V	580 * TAT GTT Y V	9
	AGC	TAC	ACG	AAT G	ATT	
	GAG ,	CGT R	CTG	A G	GAC	_
	330 * ATG (390 * TTG L	45(* ATG M	51 * \$AG	570 * TCA (630
	GAT	CCT	TGG /	TGT	TGC C	
	SGA G	TTT	CTG	TTT	TCC S	
	320 * ATG GTT TTT M V F	380 * GCC ATT TGC	430 440 * TCA CTA GTG CTA CTT CTG S L V L L L	500 * TTG TCT 1 L S	560 * CTG AAG TTG L K L	620
	GTT	ATT I	CTA	TTG	AAG	
	ATG M	QCC A	GTG	AGA R	CTG	
	310 * TTT F	370 * TAT GTG (430 * CTA L	490 * GCT A	550 * GCT CTT (A L	610
17B	TTC	TAT	TCA	ATT I	GCT A	9
Figure 17B	310 * CTG TAC TTC TTT L Y F F	CGC .	GCT '	490 * CTA CTC ATT GCT AGA L L I A R	TCT S	
Fig	CTG	GAC	TGT	CTA L	ATT	
			•			

CTG AGG AAC AGA GAC ATG AAA AGG L R N R D M K R

TTC

CCC

AAT

CTC

CCC ATG P

720 * ACC T 780 * TTA L 840 * CTC 900 ** GCC A AGA R GTT , TCA S TAC ACA TAC ATC TAT TTC CCA TCA GGT AAT TCT ACT GTG AAG GAG ATT GCC ATG GCT ATG ATG * TCC S 710 * GTA V 770 * GGT G 830 890 * ATG . TTT F AAG K X 760 * GGC ACA ATT 1 G T I CTT V TAC GAC ATC D I . 700 * ATT I 820 * X 880 CTA TTA A 4 CAG TAT (CCA TTC (690 * TCT ATT S I TTT F 870 * TAC AGC ப 750 * TTG 7 810 ATT ATC (I CTC ACC V CCA P ITT * ATT I GTG V 680 * AAG K 740 800 * 860 * CTC ATC L OPTION ITG TCT CTG GGA G TTC TCC F S TCC CAT PRONUC/TRA 670 790 730 850 GGT TTG CCT Figure ITC ATC ATT TCT ပ

Figure 17D

5		TAA	1
		CTG	7
_		TCT	S
930	*	ATC TCT	H
		₹	×
		AAG	×
920	*	ACT	H
		TGC	ပ
		CTT ATC	H
910	*		>
•		AGA 1	~
		CTA ATA	H
		CTA	L

64 to base no.1002 Sequence numbered beginning with base no. 79 Translation begun with base no. Sequence printed from base no. Translated to base no.1002

115T.D1S
of
sednence
Translated
18A
Figure

		65/99		
60 * CCC	120 * CTG L	180 * TAC Y	240 * AAG K	300 * CAA
ATC	GTC	ATG	CCC	ACA
)) J	ACT	CCC	ATG	CTG
50 * CTG	110 * ACC T	170 * ACA T	230 * ACG	290 * TGC
TIC	CIC	CAC	GTT	၁၁၁
CII	TAC	CIC	TCT	CCA
40 * CTC L	100 * TCC ATG S M	160 * TCC CAT S H	220 * TCC S	280 * TTT
CTT	TCC	S	III	ည
TIC	CTG	GAC	TGC	ATC
CAG	90 * CTG TTC L F	CTG	CTC	270 * CCA TCC
30 * TCC S		150 * CAC H	210 * GAT D	270 * CCA
ATC	QCC V	ATT I	ICT	GTT
GTG V	TAC	CTC	TTC	CAA
20 * ACT T	80 * TTC F	140 * ATC I	200 * TCC S	260 * AGC
CAA	GTG V	ATC	rtg L	CAG
AAC	CAC	ATC	AAC Z	ATG
10 * GAG E	70 * CAG	130 * CTC ATC L I	190 * CTC AGC L S	250 * CAG AAC ATG
GAA	CAC	CTC	CTC	CAG
ATG ACA M T	GAG	AAC	TIT	TTG
ATG	TCA S	ပ္ပ	TIG	TTG

099

550

ATA I

CAG E

AAT

CAT

ACG T

GAC

ည်င

TCC

¥×

ITG

360 * TAT Y 420 * CTC L 480 * ACC T 540 * GAT D 600 * ITT F GCC AAG K CAC TGT ATG CTC CCC rtc F 350 \$CC A 410 * AGC S 470 * ATG M 530 * FTT 590 * rrc L ATG M SCC A STG CAC CAT ATC CTT SSS P 400 * ATG AGC M S 460 * ACC TTC T F 520 * ATG ATC M I 340 * CTG L \$80 * CTT V ITC AAT N TAC ACC AGC S 510 * GCG GAC A A D 330 * CTT GAG / L E CAT CTG 450 * 3TC (390 * CTT 570 * ICT S TGT GAC CCC rgg ₩ TCC SCA A rtc F ITC 440 * CTG L 380 * TGC C 320 * FTT 500 * ICA S CTC \$60 ATC I GTG V ITG TAT CTG SCC A AGA R GTG V 490 * ATG GCC M A 310 * TAC Y 430 * CTG 370 * GTG V 550 * TTA L AGT S TAT CTC CTC TAC

	0	0			
CG *	720 * ACC T		840 *	>	900 * GCA A
GCA A	TCC	TAC	ACA	⊣	GAG
TAT	IIC	CTC	TAC	>	§ ×
* TCT		770 * GGT G	330 * \TG	Σ	890 * GAC ATG A
ATT GTA I V	AAG	ATC ATT I I	820 * * : GTC ATG GCC ATG #	Σ	GAC
AIT	CAC	AIC	၁၁၅	4	AGA R
* ATC I	700 * ATC I	760 * C TAT GGG ACA A Y G T	320 * ATG	Σ	880 * CTG AGG AAC I
CIC	ນິ	999	} GTC	>	AGG R
GTG V	CGA R	TAT	ACI	H	CTG
TT	690 * TCT GTC S V	750 * CTG TTC L F	Ă.	យ	AGC S
CCA P	69(* TCT S	75(* CTG L	810 * AAG (×	870 * TAC /
ATT	P	လ လ	cTc	>	ATC
۲ کا ر	680 * T AAA GTC C K V	740 * CTG TCT GTG GTG 1 L S V V	800 810 * * * C TCT ACT GTG AAG G	⊱	TTC
* ATT	680 ** AAA K	740 * GTG V	790 800 * CCG TCA GCT AAT AAC TCT ACT PRONUC/TRA OPTION	S	860 ** CCC
GTT	CII	TCT	AAC	Z	AAC
CIT	ATT	CTG	AAT 01	z	CTG
999 *	670 * : TCC S	730 * : CAT H	790 * GCT //TRA	∀	850 * ATG
18C 6GA G) V	TCC	TCA DNUC,	S	3 3 3 4
ure ATG M	670 * GTC GCC TCC ATT V A S I	730 * TGC GGC TCC CAT C G S H	CCG PR(۵۰	850 860 870 * * * CTG ACC CCC ATG CTG AAC CCC TTC ATC TAC AGC V T P M L N P F I Y S
Figure 18C * * * CTC ATG GGA GGG CTT GTT ATT GT V M G G L V I V	GTT	TGC	TGT	ပ	GTG

Figure 18D

	TCA
076	
O.	TCT
	TTC
0	ACC T
930	ATT
	§ ×
	AAG K
920	¥ ×
	TGT
	CTT
910 *	GTC V
•	AGA R
į	ATA A I
Ç	2 7

8 to base no. 952 Sequence numbered beginning with base no. ∞ Translation begun with base no. Sequence printed from base no. Translated to base no. 952

Figure 19A

Translated Sequence of H5.D1S

		1	20			_ •				
	C	TIT F	A ele	TCI S	ACC T	act T	GTC	CCA		
		7(0			80				
A	ATC I	ACC	TAT Y	GCA À	D GAC	TGC C	ATC I	ACC		
		*				*				
GAC D	AGC S	TIA L	CTC	T	ACT T	A Cic	atg M	y ecc		
		190				200				
CAC	TAC Y	ACA	A	ATT I	atg M	AGC S	TCC	TGG W		
		250 *			2	260				
GIG V	AGC .		CTA L				TTA L	CNA Q		

70/99 **Figure 19B**

30		40					50 ±			60 *
AAG K	CAG	CIG				δ		CAG	AGC S	AGA R
90 *			100			•	110			120
G CYC	ATG M		TII F					GTA V	G TG V	TTG L
*			160			:	L70			180
TAT	EAC D	CGG R	TII F	GTG V				CAC	CCC	CTG L
210			220 *)			× 230			240
L	TGT C	GGA G				CIG		TCC S	TTG W	ATC I
270			280)		2	29G +			300
AGC 8	ATA I	atg M	GCA A			CIG			TGT C	ACA T

71/99 Figure 19C

		31		320 *				330	
gaa E		AAA K							GAA E
		37	0	3 80					390
		TII F		AAT M			atg M		aat N
		430 *	0	440					450 ±
CTC		GGA G				T—X			aag K
		490			500				510
•	CAG	G G				ECA A		TCC S	
		550)	5 60 *					570 *
		TGT					GIG V	TAC	CII
	610 *				620 *				
aat Y		GCA A				atg M			

72/99 Figure 19D

		340				350 *			360		
CI.	IAA 1	. CAG	GIC	ATC	CAC	CII	GCC	TGI			
L	n		V				_	C	S		
408						410					
	*					*					
TI	: ACA	AGT	GIG				GGG	GGA	TGC		
F	T	S	V	L	L	G	G	G	C		
		470 *				480					
ATA	CIT	TGT	TGC	ATA	TGT	TCG	ATC	TCA			
I	L	C	C		_	S		S			
520						5 3 0			540 *		
TGT	GCA	TCT	CAC	CTC	TCA	GTT	GTC	TCC	TTA		
C	A	5	H	L	\$	V	V	S			
	580 *					590 *			600 . ±		
AGT	TCT	GCT	GCA .	ACC	CAT		TCA		TC2		
S	S	À	A	T	H	N		L	S		
		640									
GTC ACC TCC ATG CTG											
V	I	S	M	L							

Figure 20A

-

•	CAT	CIC	Ç	TAC	TTC	CATCTGCTTTACTTCTSCTAGCATCCCAAAGATGCTAGTGAATATATACAGACGAAGAACAA	TAG	CAT	U _U	*	SATA	2	AGIX	O A A	TAT	ACA	CYC	CAN	3	3	
4	H	U	CFT	E -	S	I C F T S A S I P R M L V N I Q T K N K -	+ 0	H	A	*	×	12	>	2	+	a	+ F	×	Z	<u>+</u> ×	09
7		GGTGATCACCTAT	CAC	5	TC	NGAAGGCTGCATCTCCCAAGTATACTTTTCATACTCTTTTGGAGTTTTTG	2	CAT	210	SO .	AGT.	ATA	CIL	TTC	ATA	CIC	TI	GGN	GTT	TIC	(
•		H	۴	>	Bal	VITYEGCISOVYFSYSLEPW-	U	H	S	0	>	×	i [2 ,	• • •	-	S	+ 1	<u> </u>	-	3	120
121	CAC	:AAC	TH		وراد	GACAACTITICITICIGACTGTGATGGCCTATGACCGATATGTGGCCCATCTGTCACCCATC	TGI	GAT	Ö	CTA	TCA	200	ATA	Ten.	ÿ	CAT	273	TCA	222	MIC	
	E	E	£e.	ís,	S	TTFFSTVMAYDRYVAICHPS-	 >	×	<	>	۵	æ	>	<u> </u> >	<		+ 0	=	۵	÷ (S)	180
<u>a</u>	TXA	TXACTACACAGG	CAC	A GC	COL	ICATCATGAACCXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	TGA	ACC.		SQC .		X	XXX	XXX	XX	XXX	XXX	XX		ğ	
4	~	>	H	O	×	2 Y T G H H E P 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	i H	ما	-	-	· •		;	+ • ·	; ; ;		+ ~	. ~		+ 0	697

Figure 20B

	300		360		120		89		9
XX	+ 1 ~	XXX	7 ~	XXX	+~	ACA CA	Ť a	T.	; >-
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	-	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	7 2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	XXXXXXXXTTTATTCTTACTCTAAGATAGTTTCCTCCATACGAGAAATCTCATCATCA	SYSKIVSSIRRISSSO-	GGGAAAGTACAAGXXATTCTCCACCTGTGCATCCCACCTCTCAGTTGTTTCATTATTCTA	7 PSTCASHLSVVSLPY-
XXX	~	XX	! ~	XX	-	ATC	S	ATT.	
X	+~	X	+-	X	+-		+-	TTC.	S
XXX	-	XXX	~	XXX	2	MI	<u> </u>	151	>
XX		XX	~	XX	-	AGA	63	ACT	>
X	+ c.	S.	<u>+</u> ~	Ö,	- +	ACG	2	CIC	S
X	~	Ö	~		~	CAT	-		
8	. ~		~		~	e j	S	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	=
	~		~		~	TIC.	S	ATC	S
8	~	00	~		~	NGI	>	9	~
	~		~		~	GA	H		ပ
8	~	000	~	000	~	Ϋ́	×	5	۴
	~		~	200	~	CTC	S	5	ຜ
Q	2	Q	~	8	~	E	>	S :	D.
XX	C.	X	~	XX	~	E	S	(COCA)	2
XXX	· (~	XXX	~	XXX	~	Ë	>	¥CF	×
XX	~	XX	C	200	~	S	~	GT	>
8 !	ر	8		XXXXXXXXXXXXX	2 2 2 2		7 2 2 Z	GGGAAAGTACAA	G K Y K
Š :	~		~			8	~	8	O
241	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	301		361	•	421		481	

Figure 20C

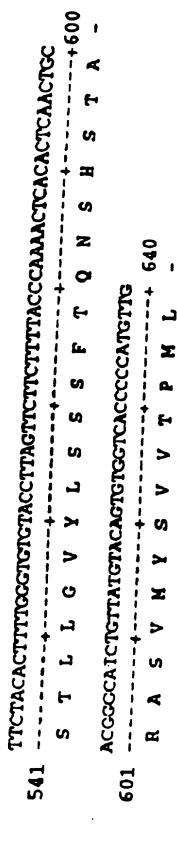


Figure 21A

76/99

Figure 21B

	360	(420		480		240		009		
ATCCCTCACTTCTTCTGTGAGCTCAATCAGCTGTCCCAACTCACATGTTCAGACAACTTT	CELNQLSQLTCSDNF+360	CCAAGTCACCTCACAATGCATCTTGTACCTGTTATATTTTCCAGCTATTTCCCTCAGTCGT	0	ATCCTTTACTCTTATTTCAAGATAGTGTCTTCCATACGTTCTATGTCCTCAGTTCAAGGG	ן ט	ATTITICTACATGIGCCICTCACCITITICCATTIGICITICATATATATATATA	TCASRLSIVS: PYS+540	ACAGGCCTCGGGGTGTAGGTCTGTGTGATCCGAAGCTCACACTCCTCTGCAAGT	TGLGVYVSSAVIRSSHSSAS		
3	2	S	5	2	10	Ĭ,	>	D S	<		
Š	0	COL		AGT	>	Ę	54	110	S		
TTC	S	ŽĘ.	່ທ	כנבי	4		.3	2350	5		
ATC	U	TAT	Н	STC.	S) Light	S	NCA CA	=		
CAC	H	المح	~	TAT	Σ	TSI	>	CIC	S		
ACT		130	~	110	S	CAT	H	A A	S	۷	979
20	F.C.E.L.N.Q.L.S.Q.L.T.C.S.D.N.F	ATT	THEUPVIFAAISLSO	ACG	YFKIVSSIRSMSSVQG	110	FSTCASHLSIVS.PYS	300	VYVSSAVIRSSHSSAS	() (2)	
	S	TAT	H	CAT	H	ני ו	-3	CAT	H	ET:	1
	1	15	>	110	S	TCA	=	Tet.	>	SATA :	×
TCN	ø	NCC.	Δ.	Sic	S	25	U	130	<	S	م ا
CAA	Z	151	>	AGT	>	35	~	TTC	S	CAC	F
CT	7	12	1	GAT	H	ATC	U	SKS	(I)	CCI	YTVVTPHL
TCA TCA		₹ 25	=	8	×	TAC	(-	15	>	Ter	>
21.2	U	MAT	×	E	(La	5	S	GTA	>	TAC	E
E	Ĺ,	CAC	٠	AT.	>	ATT	5. ,	CTO	>	GTA	
	D.	CC +	ı	5	S	ည္မ	· «	000	G	CAT	×
TCA	Ħ	3	Ħ	E	>	85	×	CCT	Ĺ,	દુ	>
ATCCCTC	H O H	NAG	S H	CCT	1 L Y S	AAGTACAAGGC	A X	AG0	7 G L G	GCITICGGTCATGTATACTGTGGTCACCCCCATGTTG	ASVMYTVVTPML
AT !		2	۵	AT	H	2 :	×	AC	۲	8 1	~
301		361		421		481	•	541		103	())

Figure 22A

	09		120		80		9,		0 1
CATAGGCTATICATCTICACACCCAATATGCTIGTCAACTICCTTATAAAGCAAAA	I G Y S S S V T P N M L V N F L I K Q N -	TACCATCTCATACCTTGGATGTTCTATACAGTTTGGCTCAGCTGCTTTGTTTG	LOCSIOPGSAALFGGL-+120	TGAATOCITCCTTCTOGCTGCCATGGCGTATGATCGTTTTGTAGCAATCTGCAACCCACT	ECFLLAAMAYDRFVAICNPL-	GCTTTATTCAACGAAAATGTCCACAAGTCTGTGTCCAGTTGGTTG	LYSTKMSTQVCVQLVVGSYI+240	AGGGGGATITCTTAAIGCCTCCTCTTTTACCCTTTCCTTT	NASSPTLSPFSLSPCG-+300
ည်	NONTHUNKLINFLIKON	9	0))	-	TTA	*	AGGGGGATTICTTAAIGCCICCICITITIACCCITITCCITITITITICCITIGICCITICIGIGG	U
3	×	5	U	3	2	ATC.	S	CTT	į
TA	+ 1	E	+ 64	CTG	+ 0	8	+0	GIC	+ 5
5	1	Ę		.AAT	H	Ter	>	CF.	1
Ę	<u>(</u>	ğ	*	8	~	SCI	>	TTC	S
3	2	200	*	5	>	CH C	13	TET.	
Ę	>	Ķ	S	FFF	íe,	CC	a	CTT.	.
ည	1	Š	0	M	~	161	>	TTC	Ø
MTA	×	E	D.	M	Α.	ديو	U	נככו	1
CC	Z.		0	E C	i >-	5	>	TAC	H
CAC	۵.	TA	.	ğ	~	NC.	O	Į.	D. ,
ICA	6 +	SFE.	9	S	Σ	Ž	6	5	S
2	>	SATE	U	ğ	~	25	S	S S	· W
E	C)	E	0	ğ	<	3	X	1360	~
CATA	U	CO	J	5	-1	7 0	×	Ž.	Z
E	(4	AT	>	555	-3	X	H	121	
E S	3	2	S	E	<u> </u>	VITA		TA	A.
NA .	O	TACCATCTCAT	TIST	STA.	7 4 0 3	Ē	LYST	8	
S	н			2	M	រូវ	1	AGG	O
~		61	•	121		181		241	

5

Figure 22B

301	ACCAAA	
!		.360
361	TGATGTCAGTG	•
	DVSVPDAVTSFSAASVTMLT-+420	420
421	AGTGTTTATCATAGCCA	
	VFIIAISYTYILITILKHRS-	480
481		
		540
541	GTGCTATGGAACCATCACATTCATA	
	CYGTITFIYVNPKSSYSTDQ-	009
601		
	N K V V S V F Y M V V I P M L	

Figure 23A

•	CAN	वृ	Ž,	200	ည	20	S C S	CAC	5	CAT	CAT	3	¥	ည	SE SE	20	CAC	Act	TCT	CATCTGCAAGCCCCTGCACTACACCATCATCAATAACCGAGTGTGCACAGTTTCTAGT	
•	H	U	4 X U I	-	1	#	>	LHYTINNNAVCTVLV	F	† +	×	Z	z	K	>	-	+ 64	>	1	I C K P L H Y T T I K N N R V C T V L V	9 ,
61		2	20.00	TTC	Ş	ğ	10	CCT	ट्रा	GAT	C TY	S	ပ္ပ	SC CC	दु	8	Ž	ğ	E S	CCTCTCCTGTTOGTTTGCTGGTTGATCATCCTCCCACCTCTTGGTCATGGCCTCA	
•	H	S	R C R	. 3	A.	~	G	-1	L)	† 	-	-1		10	12	0	+ =	0	12	LSCWFAGLLIILPPLGHGLQ-120	120
121	ទ	2	CH	CIC	101	ST.		ITCI	GAT	Tak	75	TI	8	SIS	TCA	ğ		J CC	XT	GCTCCACTTCTGTGACTCCAATGTGATTGATCATTTTTGGCTGTGATGCCTCTCCAATTCT	
!		E	LEPC	υ	Ω	S	2	>	į H	1	=	j fa	U	ן ט	0	*	+ 0	ام	1	LEPCDSNVIDHFGCDASPIL-	180
18	S :	AGA7	AAC	CTC.	ξ ζ	.AG	ICAC	GCAGATAACCTGCTCAGACACGGTATTTATAGAGAAAATTGTCTTGGCTTTTTGCCATACT	AIT	TAT	AGA	NE SYN	₹.	ign	L. J.	ģ	Tale	ğ	CAT	ACT	
QITCSDTVFIBKIVLAFA1L-+240	ø	H	H	U	S	۵	E +	>	ía,	—	_	×	<u> </u>	>	13	~	<u> </u>	~		1	40
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Figure 23B

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421		
7 3	EGVAINKVVSVLTTSVAPLL-+480	
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Figure 24A

AACAGTCTCCTGGGTGACAGGGGTGGGCACGGGCTTCCTGCCTTCCCTCCTGATTTTCTAA CATCTGCCACCGGCTCCACTACTCTTCTCATGAGTCCTGACAACTGTGCTGCTCTGGT CCAGCIGICCIGCICCAGCGICITIGIOACAGAAAIOGCCAICITIGICCIGICCAICGC 1 1 U FPCDL z O S .1 ca ca Ĺ, X O C H T O L L M = M **F** z O H **~** > 0 z ۲ ج <u>م</u> ن S S U 3 ပ S U J 61 181

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Figure 24B

241	TGTGCTCTGCATCTGTTTCCTCCTAACCCXXXXXTCCTACATTTTTCATAGTGTCTCCAA	
		++300 V S S I _
301	TCTGAGAATCCCTTCCACTACCGGCAGGATGAAGACATTTTCTACATGTGGCTCCCACCT	36cTCCCACCT
	LRIPSTTGRMKTFSTCGSHL-+360	S S H L -
361	-	CCAAATGCGCA
	AVVTIY GTHISMYVGPNAH420	N A H -
421		CCCCACTACT
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481	G 481 - 481)

TIT OTCTCTTCTCCTCCACCACTCTCCCAAACTACTCACTACTCACTACT

Figure 25B

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	PVCILISYITINAVLRVSS -
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	FRGGWKAFSTCGSHLAVVCL

Figure 25C

CTICTATOCCACCATCATIGCTGTATITICAATCCTGTATCTTCCCATTCATCTGAGAA	FYGTIIAVYFNPVSSHSSEK.	GGACACTGCAACTGTGCTATACACTGGTGACTCCCATGTTG	DIAIT VLYTVVTTT
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Figure 26A

_	VCFSSTTVPKVLANHILSSO-	-	SGCLTQLYPLCVSVNM	_	DNFLLAVMAYDRPVAICHPL+180	•	HTHQLCVLLVSGS77		300
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TGTCTGCTTCTCCTCCACCACTGTCCGCAAGGTACTGGCTAACCACATACTCAGTAGTCA	STTVPKVLANHILSSO-	GCCCATTTCCTTCTCTGGCTGTCTAACTCAGCTGTATTTTCTCTGTGTGTCTCTGTGAATAT	SGCLTQLYPLCVSVN	GGACAATTTCCTGCTGGCTGTGATGGCCTATGACAGATTTGTGGCCCATATGCCACCTTT	LAVMAYDRPVAICHPL-	GTACTACACAACAAGATGACCCACCAGCTCTGTCTTGCTGGTGTCTGGATCAXXXX	K K T H Q L C V L L V S G S ? ?	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	3 2 7 2 2 7 7 2 2 7 7 2 2 7 7 2 2 7 7 2
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Figure 26B

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301		361		4 21		481		541		601	

Figure 27A

9 180+----+180 GAXXXTGGCCTGTGCAGACACTGAAGCCTATGAGCAGGTACTATTTGTGACAGGCGTGGT GTTCCCCTACTGTGGATCACGGAAGATCTCCCACTTCTTCTGTGAGGTGCCCTCGCTGCT TATCTOCAACCCTCTGCGCTACCCAGTOCTCATGAGCGGCCGGGTGTGCCTGCTCATGT CGTOGCCTCCTOGTTCCCACCCCTCAACGCCTCCATTCAGACTTCTCTCAACCTTCTCA u a > J د Ŋ G R V C െ H ပ 0 H _ ٠. E. S X 7 A SKNJS S K S CRPLRT SWLOO O U **>** 61

Figure 27B

	CGI	CCI	CCT	150	ည	GGTCCTCCTOGTGCCCATTACATTACTGCCTCTTATGCCCTCATCCTGGCTGT	TAC,	E	CAT	TAC'	Ž	5	TA	ğ	E)	CATE	CI	ပ္တ	190	151	
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196		AG1	CGI	8	TCI	GACAGTCGTCAATCTCTATGGGCCCCTTGTCTACACCTACATGTTACCTGCTTCCTA	CTA	8	ည်င	CCT	TCT	CTA	5	CTA	CATE		CCC	ğ	TTC	CTA	
4		7 × T	>	Z	1	T V N L F Y G P L V Y T Y M L P A S Y -	>	ט	۵,	13	>	>	į [-	>	I	14	+ A.	<	S	† >+	-
421	-	CTC	TCACTCACCA	AGG.	CC.	TCACTCACCAGGCCAAGACGACATAGTATCCGTCTTTTACACCGTTCTCACACCCATGCT	19 0	CAT	NGT.	ATC	CCJ	CIT	TA	CAC	15	CT	AC.	A CC	CAT	SCT	
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481	T 481 - 481	181																			

Figure 28A

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CATCTOTAGGCCTCTTCACTATCCTACCCTCATGACCCAGACACTGTGTGCCAAGATTGC	CRPLHYPTLMTQTLCAKIA-60	CACTGGTTCCTGGTTGGAAGCTTGGCTGGCCAGTGGTAAAATTTCCTTGGTGTCTCG	TGCWLGGLAGPVVBISLV-+120	Tetectitititiciogececanteacaticaacatetititicicatiticecaceticice	LLFCGFNHIPCDFF+180	GAGCITGCCTTGTACTCATCAGTGAATGTCCTGGTAGATTTTTATTATAAACCTCTG	SLACTDTS VNVLVDPIINLC+240	CAAGATCCTGGCCACCTTCCTGCTGATCCTGAGCTCCTACTTGCAGATAATCCGCACAGT	K I L & T F I L I T F C C L L L L T F C C L L L L L L L L L L L L L L L L L
ACCC	A	CCTO	.	TTTC	Ü	CTTG	U	TGGC	•
TOT	U	COL	U			TTCC	~	ATCC	1
CATC	H	CACT	6	Tere	J	SAGC	S	AAG	K

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Figure 28B

181	GAGCTTGGCTTGTACTCATCAGTGAATGTCCTGGTAGATTTTATTATAAACCTCTG	E	S :	TTC	TAC	2	XTX +	CAT	CAG	16A	52.4	200	55	,ye	TTI	TAT	TAT	A !	CCI	CIC	GTACTGATACATCAGTGAATGTCCTGGTAGATTTTTATTATAAACCTCTG
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Figure 29A

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Figure 29B

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·	CAC.	2	CAC	TCA	CTC	TCT	ACT.	M	SCA	CCA	TTA	CC	1 5	E.	'ATC	TC	M	7000	CACTGCAGTCACTCTCTATAGGCACCATTACCTTCATTTATGTGATGCCCAAGTCCAC	V CC	ێ
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Figure 30A

60 ----+----+180 GCTCTTCTCTGTTCGTTAGCA: 10CACATOCGTTCTTCCACATTTTAATGGTGTTGAT **ACTGACTITICAGCACAAAAACTGAAATCCCTCACTITITITICTGTGAGCTGGCTCATATCAT** TATCTOCCACCCTCTCAAAGTACACAGTTATCATGAATCACTATTTTTGTGTGATGCTOCT **ATTITITIGGIGITCATATIGIAGGGATCATITIGICTTATATITIACACTGTATCCTCAGT** > ¥ J U **p. -**М X H Y -1 ſ4 Œ, IJ z A L Į., X Ħ > **=** H O. **z** T A ۲ ۲ E ſĿ, G S × Z ۲ S S ပ H G U Ĺų 181 241 61

Figure 30B

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TITAAGAATGTCATTATTOOGAGGAATGTATAAAGCCTTTTTCAACATGTGGATCTCATTT	LRMSLLGGNYRAPSTCGSHL+360	GTCGGTTGTCTCTGTTTTATGGCACAGGTTTTTGGGGTACACATAAGCTCTCCACTTACTG	SVVSVLWHRFWGTHKLSTY+420	ACICICCAAGGAAGACIGTAGIGGCTICAGIGATGIACACIGIGGITACICAGATGCTG	TO K B D C S G P S D V R C C C C C C C C C C C C C C C C C C
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Figure 31A

+300 CCCACTCTGTGGTCCTTACGTCGTTGATTATCTTTTCTGCGAGCTGCCCATCCTTCTGCA CGTOGCAATCTOGGTCATAGGCTTTTTGTOCCTCCGTTATACCTCTCTCTOCTTCACGATCCT XXXXXXXXXXXCCCTTCCTCATTGTTCTCTCTACCTTCGCATCCTGGTGGCTGTG DTSLLB77777777 PCELPILL VIPLCP SXVC S Y LRYLLIR 8 ۵ ပ **L > >** 61 121 181

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Figure 31B

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99/99 **Figure 32**

